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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

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U. S. Department of Agriculture

[1937]

ALABAMA

Mobile

Office, Division of Foreign Plant Quarantines.---109 Court House and Custom House.

P. O. Box 1413. Telephone, Belmont 3132. J. R. Wood, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Montgomery

Office, Division of Screw Worm Control.---P. O. Box 709, or 315 New Post Office

Building. Telephone, Cedar 3389. W. E. White, agent, in charge.

Supervision of screw worm control and educational work in Alabama to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

ARIZONA

Buckeye

Sublaboratory, Division of Cotton Insect Investigations.---P. O. Box 267. (Open from April to November.) T. C. Barber, assistant entomologist, in charge.

Investigations of hemipterous insects of cotton--life histories, host relationships, seasonal and geographical distribution, control with insecticides, soil animals in their relation to cotton, insects in relation to cotton diseases.

Douglas

Office, Division of Foreign Plant Quarantines.---Room 207, United States Inspection Station, P. O. Box 943. R. O. Collier, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.



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Naco

Office, Division of Foreign Plant Quarantines.--c/o U. S. Inspection Station.

P. O. Box 94. W. R. Sudduth, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Nogales

Office, Division of Foreign Plant Quarantines.--Room 128, Federal Inspection

Station. Telephone, 276. C. E. Bellis, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Phoenix

Laboratory, Division of Truck Crop and Garden Insect Investigations.--No. 2214

North 24th Place. P. O. Box 258, Route 1. Telephone, 90073. K. B. McKinney, assistant entomologist, in charge.

Investigations of insects attacking lettuce.

Sublaboratory, Division of Truck Crop and Garden Insect Investigations.--No.

2214 North 24th Place. P. O. Box 258, Route 1. Telephone, 90073. V. E. Romney, junior entomologist, in charge.

Investigations of the beet leafhopper.

Safford

Suboffice of Tucson, Ariz., office, Division of Pink Bollworm and Thurberia

Weevil Control.--P. O. Box 246. J. D. Waugh, assistant plant quarantine inspector, in charge.

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Quarantine operations against the pink bollworm and *Thurberia* weevil in the State of Arizona.

In cooperation with the Arizona Commission of Agriculture and Horticulture.

Tempe

Laboratory, Division of Cereal and Forage Insect Investigations.---No. 415 East 8th Street. Telephone, 36. V. L. Wildermuth, senior entomologist, in charge.

Studies of insects affecting alfalfa seed, especially lygaeid and pentatomid plant bugs, and seed chalcid; colonization and liberation of parasites of the range caterpillar; and grasshopper control.

In cooperation with the State agricultural experiment station.

Tucson

Office, Division of Cotton Insect Investigations.---Room 232, Post Office Building, Broadway and Scott Streets. P. O. Box 1910. Telephone, 1519. T. P. Cassidy, entomologist, in charge.

*Thurberia* weevil investigations, including distribution of the native host plant. Investigations of hemipterous and other insects of cotton.

Office, Division of Pink Bollworm and *Thurberia* Weevil Control.---240 Federal Building. P. O. Box 449. Telephone, 1-960. S. D. Smith, plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm and the *Thurberia* weevil in the State of Arizona. In cooperation with the State Commission of Agriculture and Horticulture.

Office, Division of Screw Worm Control.---240 Federal Building. Telephone, 1960. T. J. Schmitt, Jr., agent, in charge.



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Supervision of screw worm control and educational work in Arizona to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

ARKANSAS

Little Rock

Office, Division of Domestic Plant Quarantines.--410 National Standard Building.

Telephone, 5461. A. E. Cavanagh, chief scientific aid, in charge.

Headquarters for control and prevention of spread of phony-peach disease.

Cooperating with the States of Alabama, Arkansas, Georgia, Illinois, Louisiana, Mississippi, Missouri, North Carolina, South Carolina, Tennessee, and Texas.

CALIFORNIA

Alhambra

Laboratory, Division of Truck Crop and Garden Insect Investigations.--1208 East

Main Street. Telephone, 1056. R. E. Campbell, entomologist, in charge.

Investigations of the pepper weevil, wireworms, and arsenical substitutes for the control of crop pests.

Berkeley

Office, Division of Plant Disease Control.--Room 26, Giannini Hall, University

of California. Telephone, Ashbury 5252. H. R. Offord, pathologist, in charge.

Laboratory and field tests of chemicals to develop practical methods for eradication of wild currant and gooseberry plants.

In cooperation with the University of California.

Laboratory, Division of Forest Insect Investigations.--No. 341 Giannini Hall,

University of California. Telephone, Ashbury 7747. J. M. Miller, senior

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entomologist, in charge.

Supervision of bark beetle control projects on national forests and national parks in California; studies on the biologies of forest insects; relations of climatic factors to the rise and decline of epidemics.

In cooperation with Federal Forest Service, National Park Service, Bureau of Indian Affairs, with State forestry department, University of California, and with organizations of private owners of forest land.

Calexico

Office, Division of Foreign Plant Quarantines.--Room 205, Federal Inspection Building. P. O. Box 715. Telephone, 428. O. A. Pratt, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Davis

Laboratory, Division of Bee Culture.--Room 244, Animal Science Building, Agricultural College. F. E. Todd, associate apiculturist, in charge.

Studies in connection with the economic aspects of the bee industry, the use of bees in the pollination of orchard and farm crops, and an investigation of western beeswaxes.

In cooperation with the University of California and the Oregon Agricultural Experiment Station.

Eureka

Office, Division of Foreign Plant Quarantines.--Courthouse, 528 J Street. Telephone, 797. E. Mills, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.



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Fresno

Laboratory, Division of Fruit Insect Investigations.--712 Elizabeth Street.

Telephone, 2-8631. P. Simmons, entomologist, in charge.

Headquarters for dried fruit insect investigations. Studies on biology and control of insects infesting dried fruit, including the raisin moth, the dried fruit beetle, and Blastophaga.

In cooperation with the Dried Fruit Association of California.

Los Angeles

Office, Division of Foreign Plant Quarantines.--524 North Spring Street. Tele-

phone, Mutual 9211. H. J. Ryan, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with County Agricultural Commissioner.

Modesto

Laboratory, Division of Truck Crop and Garden Insect Investigations.--No. 425

Santa Rita Avenue. P. O. Box 208. Telephone, 964. W. C. Cook, entomologist, in charge.

Headquarters for beet insect investigations, primarily the beet leaf hopper.

In cooperation with the States of California, Utah, Idaho, and Colorado.

Oakland

Suboffice, Division of Foreign Plant Quarantines.--No. 206 Twenty-third Street.

Telephone, Glencourt 2675. F. C. Brosius, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

Office, Division of Plant Disease Control.--610 Syndicate Building, 1440 Broadway. Telephone, Highgate 6440. W. V. Benedict, senior forester, in charge.



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Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the sugar pine region of California and Oregon by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and National Park Service, the States of California and Oregon, pine owners, and other local agencies.

Sacramento

Office, Division of Foreign Plant Quarantines.--State Office Building. Telephone, Capital 2800. A. C. Fleury, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

Laboratory, Division of Cereal and Forage Insect Investigations.--Room 272, Federal Building, Ninth and I Streets. Telephone, Main 3461. W. B. Cartwright, entomologist, in charge.

Hessian fly control under conditions peculiar to California; the pea aphid on alfalfa; cutworms, grasshoppers, and field crickets.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and the agricultural experiment station, University of California.

Suboffice of Oakland, Calif., office, Division of Plant Disease Control.--Room 215, Federal Building. Telephone, Main 1638. G. A. Root, associate pathologist, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in California by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of agriculture, State board of

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forestry, and College of Agriculture, University of California.

Salinas

Office, Division of Foreign Plant Quarantines.--11 East Gabilan Street.

Peter A. Kantor, county agricultural commissioner, in charge.

Collaborator in enforcement of foreign plant quarantines.

Takes care of port of Monterey.

San Bernardino

Office, Division of Screw Worm Control.--P. O. Box 50, or c/o John P. Coy,

county agricultural commissioner, Court House. H. M. Brundrett, agent, in charge.

Supervision of screw worm control and educational work in California to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

San Diego

Office, Division of Foreign Plant Quarantines.--Broadway Pier Building, P. O.

Box 617. Telephone, Main 2574. P. M. Howard, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State department of agriculture.

San Francisco

Office, Division of Foreign Plant Quarantines.--Room 24, Agricultural Building,

Embarcadero, foot of Mission Street. Telephone, Garfield 7827. C. E. Cooley, district supervisor, in charge.

Supervision of the enforcement of foreign plant quarantines and of the inspection and certification of plants and plant products for export in California.



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Office, Division of Foreign Plant Quarantines.--Room 2, Agricultural Building,  
Embarcadero, foot of Mission Street. Telephone, Garfield 0513. H. M.  
Armitage, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State department of agriculture.

San Luis Obispo

Office, Division of Foreign Plant Quarantines.--Telephone, 1344. T. Chalmers,  
collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

San Pedro

Office, Division of Foreign Plant Quarantines.--Federal Building. P. O. Box  
401. Telephone, 346. A. P. Messenger, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State department of agriculture.

San Ysidro

Office, Division of Foreign Plant Quarantines.--Room 229, Federal Building.  
Telephone, 2401. L. Schoening, assistant plant quarantine inspector, in  
charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Santa Barbara

Office, Division of Foreign Plant Quarantines.--Courthouse. Telephone, 3600.  
E. S. Kellogg, collaborator, in charge.

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Enforcement of foreign plant quarantines.

In cooperation with State department of agriculture.

Santa Paula

Office, Division of Foreign Plant Quarantines.--County Agricultural Building.

Telephones, 258 and 558. A. H. Call, collaborator, in charge.

Enforcement of foreing plant quarantines.

In cooperation with State department of agriculture.

Ventura

Laboratory, Division of Truck Crop and Garden Insect Investigations.--P. O. Box

1330. Telephone, 5636. R. Cecil, associate entomologist, in charge.

Investigations of the lima bean pod borer.

Whittier

Laboratory, Division of Insecticide Investigations.--724 Earlham Drive. Telephone, 432-10. L. B. Howard, chemist, in charge.

Investigations of cyanide fumigation of California red scale. Studies of new fumigants for the same purpose.

In cooperation with the California Citrus Experiment Station (Riverside), Whittier District Fruit Exchange.

Laboratory, Division of Fruit Insect Investigations.--724 Earlham Drive. Telephone, 432-10. B. L. Boyden, senior entomologist, in charge.

Investigations on biology and control of California red scale, the orange thrips, black and citricola scales, and the orange calyx worm.

In cooperation with the California Citrus Experiment Station (Riverside), Whittier District Fruit Exchange.



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CANAL ZONE

Balboa

Laboratory, Division of Fruit Fly Investigations.--Building 0902, Amador Road.

P. O. Drawer Z. Telephone, 2485. J. Zetek, associate entomologist, in charge.

Investigations on biology, host fruit relations, and control of the Central American fruit flies.

COLORADO

Fort Collins

Laboratory, Division of Forest Insect Investigations.--210 Forestry Building,

Colorado State College. Telephone, 350-W. J. A. Beal, entomologist, in charge.

Headquarters for bark beetle investigations and control in Southern Rocky Mountain region and for insects affecting Shelter Belt plantations.

In cooperation with Forest Service, U. S. Department of Agriculture, National Park Service, and the Shelter Belt.

Laboratory, Division of Plant Disease Control.--Botany Building, State Agricultural College.

P. O. Box 276. Telephone, Botany, 3 rings. E. A. Lungren, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry in Colorado and Wyoming, to control the black stem rust of grain.

In cooperation with the State agricultural college, State department of agriculture, and independent agricultural agencies.

Grand Junction

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Book-

cliffe Avenue, between 7th and 12th Streets. P. O. Box 838. Telephone,

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223-W. O. A. Hills, junior entomologist, in charge.

Investigations of the beet leafhopper and tomato psyllid. In cooperation with the Colorado Agricultural Experiment Station.

Sublaboratory of Salt Lake City, Utah, laboratory, Division of Cereal and Forage Insect Investigations.---Chamber of Commerce, Grand Junction, Colo.

George I. Reeves, senior entomologist, in charge.

Investigations of alfalfa weevil.

No cooperation.

CONNECTICUT

Canaan

Suboffice, Division of Gypsy and Brown-tail Moth Control.---Salisbury Road.

P. O. Box 141. Telephone 322. S. E. May, principal scientific aide, in charge.

District supervision of scouting and control work against the moths in the State of Connecticut.

In cooperation with the State of Connecticut.

New Haven

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.---

State Agricultural Experiment Station, 123 Huntington Street. P. O. Box 1106. Telephone, 5-6191. J. E. Riley, Jr., associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Connecticut by eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State agricultural experiment station, and the State agricultural college, extension division.



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Laboratory, Division of Forest Insect Investigations.--56 Hillhouse Ave.

Telephone, New Haven 8-3082. R. C. Brown, entomologist, in charge.

Investigations of native and introduced insect pests of forest and shade trees and their control, including the European pine shoot moth, the beech scale, defoliating moths, larch case bearer, birch leaf mining sawfly, European spruce sawfly, balsam bark louse, white pine weevil, etc.

In cooperation with Forest Service, U. S. Department of Agriculture, Yale University, Harvard Forest at Petersham, Mass., New York State College of Forestry, and organizations of private owners of timberlands.

Sublaboratory, Division of Cereal and Forage Insect Investigations.--56 Hillhouse Avenue. Telephone, 8-2375.

Insecticide investigations in control of the European corn borer.

In cooperation with the State agricultural experiment station.

Suboffice of Boston, Mass., office, Division of Japanese Beetle Control.--State Agricultural Experiment Station, 123 Huntington Street. P. O. Box 1106.  
Telephone, 5-5078. J. P. Johnson, agent, in charge.

Enforcement of the Japanese beetle quarantine in Connecticut, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer and gypsy and brown-tail moth inspection services are also maintained in this area.

Stamford

Office, Division of Japanese Beetle Control.--49 Connecticut Avenue, Norwalk, Conn. Telephone, 1661. Leston R. Fate, Chief scientific aid, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the State department of agriculture.

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Windsor

Laboratory, Division of Truck Crop and Garden Insect Investigations.---c/o Agricultural Experiment Station. P. O. Box 824. A. W. Morrill, Jr., junior entomologist, in charge.

Investigation of insects affecting tobacco in the Connecticut River Valley.

DELAWARE

Dover

Office, Division of Japanese Beetle Control.---Room 210, New Post Office Building. Telephone, 842. W. E. Cranston, agent, in charge.

Enforcement of the Japanese beetle quarantine in Delaware, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the State board of agriculture.

DISTRICT OF COLUMBIA

Washington

Office, Division of Foreign Parasite Introduction.---Room 6863, South Building, United States Department of Agriculture. Telephone, District 6350, Branch 2979. C. P. Clausen, principal entomologist, in charge.

The investigation of natural enemies of insect pests in foreign countries and their introduction into the United States, with supervision over the foreign material until it is released from quarantine. Also the coordination of biological control activities involving other divisions and State organizations.

Laboratory, Division of Identification and Classification of Insects.---Room 3248, South Building, U. S. Department of Agriculture. Telephone, District 6350, Extension 4378. C. F. W. Muesebeck, senior entomologist, in charge.



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Identification of all stages of insects for this Bureau, for other bureaus of the United States Department of Agriculture, for the State and experiment station entomologists, and others. The specialists now attached to the staff and engaged full time on this work include the following: Beetles, H. S. Barber, Adam G. Boving, L. L. Buchanan, and W. S. Fisher; moths and butterflies, August Busck, Carl Heinrich, and William Schaus; flies (Diptera), C. T. Greene, and Alan Stone; Hymenoptera, R. A. Cushman, A. B. Gahan, Grace Sandhouse, and C. F. W. Muesebeck; grasshoppers and American neuropteroids, ; mites and ectoparasites, H. E. Ewing; bugs, H. G. Barber, P. W. Mason, and P. W. Oman; scale insects, Harold Morrison; and insect morphology, R. E. Snodgrass.

Laboratory, Division of Insects Affecting Man and Animals.--Rooms 6345 and 6347,

South Building, U. S. Department of Agriculture. Telephone, District 6350, Extensions 4383 and 4384. E. A. Back, principal entomologist, in charge.

Investigations of methods of controlling insects affecting the household and certain stored commodities, particularly books, fabrics, and furniture; also foods offered in retail establishments.

Laboratory, Division of Insects Affecting Man and Animals.--Rooms 6338, 6339,  
and 6340, South Building, U. S. Department of Agriculture. Telephone, District 6350, Extension 4383 or 4384. W. Robinson, senior entomologist, in charge.

Investigation of blowfly maggots in relation to their use in the post-operative treatment of suppurating lesions, particularly of the bone. Also studies concerning the toxicology of insect bites.

Laboratory, Division of Insects Affecting Man and Animals.--Rooms 6346 and 6349,  
South Building, U. S. Department of Agriculture. Telephone, District 6350, Extension 4383 or 4384. F. C. Bishopp, principal entomologist, in charge.

Studies of tick biologies. Experiments in transmission of diseases,

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particularly by ticks and mosquitoes, some of which are carried on in cooperation with the Pathological Division of the Bureau of Animal Industry.

Suboffice, of Richmond, Va., office, Division of Japanese Beetle Control.--Inspection House, 12th Street and Constitution Avenue, N. W. Telephone, District 6350, Extension 2589. C. E. Eifler, agent, in charge.

Enforcement of the Japanese beetle quarantine in the District of Columbia, and in Arlington, Culpeper, Fairfax, Fauquier, Loudoun, Prince William, and Stafford Counties, Va.

In cooperation with the Virginia department of agriculture and immigration.

Office, Division of Foreign Plant Quarantines.--Inspection House, 12th Street and Constitution Avenue, N. W. Telephone, District 6350, Extensions 4495 and 4496. P. Bisset, senior horticulturist, in charge.

Enforcement of foreign plant quarantines and the inspection of domestic plants entering and leaving the District of Columbia.

Office, Division of Domestic Plant Quarantines.--Room 4864, South Building, U. S. Department of Agriculture. Telephone, District 6350, Extension 2587. B. M. Gaddis, principal plant quarantine inspector, in charge.

Laboratory, Division of Insecticide Investigations.--Room 5827, South Building, U. S. Department of Agriculture. Telephone, District 6350, Branch 2721.



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R. C. Roark, principal chemist, in charge; C. M. Smith, senior chemist, acting in charge.

Development of new insecticides, investigation of existing ones, analysis of insecticides for this Bureau, cooperation in spray-residue removal studies with Bureau of Plant Industry. The specialists now attached to the staff and engaged full time on this work include the following: Synthetic organic insecticides, F. B. LaForge, H. L. Haller, C. R. Smith, L. E. Smith; insecticidal plants, E. P. Clark; spray-residue removal, R. H. Carter; arsenical insecticides, O. A. Nelson, F. E. Dearborn; toxicological investigations using fish, W. A. Gersdorff; physico-chemical investigations of wetters and spreaders, H. L. Cupples; miscellaneous analytical work, S. I. Gertler, R. T. Capen; preparation of water-insoluble nicotine compounds, L. N. Markwood.

FLORIDA

Fort Pierce

Sublaboratory of Savannah, Ga., laboratory, Division of Insects Affecting Man and Animals.--Courthouse. P. O. Box 213. S. E. Shields, junior entomologist, in charge.

Studies in the control of sand flies.

Gainesville

Office, Division of Foreign Plant Quarantines.--State Plant Board of Florida.

Telephone, 341. J. H. Montgomery, collaborator, in charge.

Headquarters for the enforcement of foreign plant quarantines and the inspection and certification of plants and plant products for export in the State of Florida.

In cooperation with State plant board.

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Regional office, Division of Screw Worm Control.--5 Graham Building. P. O. Box

178. Telephone, 576. R. A. Roberts, associate entomologist, in charge.

To carry out an educational and control campaign against the screw worm.

Office, Division of Screw Worm Control.--P. O. Box 178, or 3 Graham Building.

Telephone, 576. T. F. McGehee, agent, in charge.

Supervision of screw worm control and educational work in Florida to prevent or reduce losses of livestock from infestation and spread of the insect.

State office.

In cooperation with State and local agencies.

Jacksonville

Office, Divisions of Foreign and Domestic Plant Quarantines.--445 New Post

Office Building. P. O. Box 1713. Telephone, 3-2780, extension 208. P.

Thomas, collaborator, in charge.

Inspection of express, parcel post, and freight, moving from, to, and through Jacksonville by rail and boat, in foreign and interstate commerce, for the enforcement of foreign and domestic plant quarantines.

In cooperation with State plant board.

Key West

Office, Division of Foreign Plant Quarantines.--Room 203, New Federal Building.

P. O. Box 990. Telephone, 299. R. G. Milner, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State plant board.

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Lake City

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil

Control.--P. O. Box 292. W. F. Rice, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Florida.

Cooperating with the State plant board.

Madison

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil

Control.--P. O. Box 224. G. B. Ray, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in the State of Florida.

In cooperation with the State plant board.

Marianna

Suboffice of Miami, Fla., office, Division of Pink Bollworm and Thurberia Weevil

Control.--210 Home Products Building. P. O. Box 351. G. W. Chowns, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Florida.

Cooperating with the State plant board.

Miami

Office, Division of Foreign Plant Quarantines.--Customs Pier Office, Clyde Line

Docks. P. O. Box 842. J. V. Gist, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

In cooperation with State plant board.



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Office, Division of Pink Bollworm and Thurberia Weevil Control.--334 Federal Building. P. O. Box 2919. Telephone, 2-4223. L. F. Curl, associate plant quarantine inspector, in charge.

Headquarters for the pink bollworm quarantine operations in Florida.  
In cooperation with the State plant board.

Orlando

Laboratory, Division of Fruit Insect Investigations.--Fairgrounds, near West Amelia and Parramore Streets. P. O. Box 491. Telephone, 3106. H. Spencer, entomologist, in charge.

Investigations on subtropical fruit insects, including control of citrus rust mite, white flies, and the purple and Florida red scales; the effect of chemicals when used as insecticides in bait spray for fruit flies on the composition of the citrus plant and fruit.

In cooperation with the Bureau of Plant Industry and the Bureau of Chemistry and Soils, United States Department of Agriculture.

Laboratory, Division of Insects affecting Man and Animals.--Fairgrounds, near West Amelia and Parramore Streets. P. O. Box 491. W. V. King, senior entomologist, in charge.

Biological studies of mosquitoes and buffalo gnats and studies in the control of these pests; also studies in the biology and host relationships of the Australian cattle tick.

Pensacola

Office, Division of Foreign Plant Quarantines.--Room 306 Federal Building.

P. O. Box 606. Telephone, 83. R. B. Linger, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certifica-

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tion of plants and plant products for export.

In cooperation with State plant board.

Quincy

Laboratory, Division of Truck Crop and Garden Insect Investigations.--No. 209

Washington Street. P. O. Box 239. Telephone, 243-P. F. S. Chamberlin,  
assistant entomologist, in charge.

Investigation of methods of control of insects affecting shade-grown  
tobacco.

Sanford

Laboratory, Division of Truck Crop and Garden Insect Investigations.--216 West

Fourth Street. Box 549. Telephone, 47. C. F. Stahl, entomologist, in  
charge.

Field headquarters for winter-vegetable insect investigations; investi-  
gations of the control of celery pests and mole crickets, and laboratory tests  
with pyrethrum products.

Tampa

Office, Division of Foreign Plant Quarantines.--Room 428, Federal Building.

P. O. Box 266. Telephone, M-58621. R. D. Potter, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certifi-  
cation of plants and plant products for export.

In cooperation with the State plant board.

West Palm Beach

Office, Division of Foreign Plant Quarantines.--Room 216, Federal Building.

Telephone, 4751. M. LeRoy, collaborator, in charge.

Enforcement of foreign plant quarantines and inspection and certifi-

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cation of plants and plant products for export.

In cooperation with State plant board.

FRANCE

St. Cloud

Laboratory, Division of Foreign Parasite Introduction.--61 Avenue Belmontet.

H. L. Parker, entomologist, in charge.

Investigations on the natural enemies of the corn borer and alfalfa weevil in Europe and of the pink bollworm in Egypt, and of a number of forest insects. Incidental work upon those of other crop pests, and the exportation of these enemies to the United States.

GEORGIA

Albany

Laboratory, Division of Fruit Insect Investigations.--Fairgrounds, North

Jefferson and Eighth Streets. P. O. Box 107. Telephone, 127. G. F.

Moznette, entomologist, in charge.

Investigations of the control of pecan insects with insecticides in the Southeastern States.

In cooperation with the Bureaus of Plant Industry and of Agricultural Engineering of the United States Department of Agriculture.

Atlanta

Office, Division of Foreign Plant Quarantines.--Room 432 State Capitol.

Telephone, Walnut 2402.

, collaborator in charge.

Enforcement of foreign plant quarantines.

In cooperation with office of State entomologist.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Southeastern Regional Headquarters, Division of Screw Worm Control.--402 Glenn Building. Telephone, Walnut-6023. W. G. Bruce, entomologist, in charge.

Supervision of control and educational work in the Southeastern States to prevent or reduce losses resulting from screw worm infestation in livestock and as far as possible to restrict the spread of this insect into territory not heretofore invaded.

In cooperation with State and local agencies.

Dahlonega

Suboffice of Richmond, Va., office, Division of Plant Disease Control.--

Experiment

Laboratory, Division of Fruit Insect Investigations.--Georgia Experiment Station. Express and freight, Griffin, Ga. Telephone, Griffin-433-W. T. L. Bissell, collaborator, in charge.

Investigations of the pecan weevil and pecan wood borers.

In cooperation with State experiment station.

Fort Valley

Laboratory, Division of Fruit Insect Investigations.--Church Street. Telephone, 53. O. I. Snapp, entomologist, in charge.

Control of the peach borer in young orchard trees and in nursery stock; life history and habits of the peach borer with reference to the possible transmission of the phony peach disease; control of the second-brood plum curculio on peach; control of the San Jose scale on peach trees.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and office of State entomologist.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Savannah

Office, Division of Foreign Plant Quarantines.--Customhouse. Telephone, 3-3221.

V. C. Durham, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Laboratory, Division of Insects Affecting Man and Animals.--403 Post Office

Building. P. O. Box No. 22. Telephone, 4737. J. B. Hull, assistant entomologist, in charge.

Studies in the biology and control of sand flies and effect of tide gates on the control of salt-marsh mosquitoes.

Thomasville

Laboratory, Division of Insects affecting Man and Animals.--Forshala Plantation, Tallahassee, Fla. B. V. Travis, assistant entomologist, in charge.

Studies of ectoparasites of wild life.

Tifton

Office, Division of Screw Worm Control.--P. O. Box 497 or Coastal Plains Experiment Station. Telephone, 260. F. D. Weitman, agent, in charge.

Supervision of screw worm control and educational work in Georgia to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

Valdosta

Laboratory, Division of Insects affecting Man and Animals.--107 East Park Avenue. P. O. Box 508. E. W. Laake, senior entomologist, in charge.

To conduct research on all phases of the screw worm problem in the Southeastern States, biology, injury, and methods of control.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

HAWAII

Honolulu

Laboratory, Division of Fruit Fly Investigations.---University of Hawaii. P. O.

Box 340. Telephone, 98455. O. C. McBride, entomologist, in charge.

Investigations on biology and host-fruit relations of the Mediterranean fruit fly and its control by the use of sprays, by vapor heat, and by low temperatures in the movement of fruit in commerce.

In cooperation with the University of Hawaii.

Office, Division of Foreign Plant Quarantines.---New Federal Building. P. O.

Box 340, H. F. Willard, inspector, in charge.

Enforcement of quarantine governing the movement of fruits and vegetables from Hawaii to the mainland and inspection and certification of plants and plant products for export.

Office, Division of Foreign Plant Quarantines.---Board of Commissioners of

Agriculture and Forestry. P. O. Box 2520. L. A. Whitney, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Board of Commissioners of Agriculture and Forestry.

IDAHO

Coeur d'Alene

Laboratory, Division of Forest Insect Investigations.---Federal Building, Fourth

Street and Lakeside Avenue. (Best approach is by bus from Spokane, Wash.)

P. O. Box 630. Telephone, 76. J. C. Evenden, entomologist, in charge.

Headquarters for forest insect control projects on national forests and national parks in Idaho, Montana, Utah, and western Wyoming.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with Federal Forest Service, National Park Service, and Bureau of Indian Affairs, with State forestry department, and with organizations of private owners of forest land.

Moscow

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Grounds of Agricultural Experiment Station. P. O. Box 73. Telephone, Experiment Station Switchboard. T. A. Brindley, assistant entomologist, in charge.

Investigations on the biology and control of the pea weevil.

Office, Division of Plant Disease Control.--School of Forestry, Morrill Hall, University of Idaho. Telephone, School of Forestry, 8376. R. P. d'Urbal, agent, in charge.

Laboratory and field tests of chemicals to develop practical methods for eradication of wild currant and gooseberry plants.

In cooperation with the University of Idaho.

Parma

Sublaboratory of Walla Walla, Wash., laboratory, Division of Truck Crop and Garden Insect Investigations.--Suburbs of Parma. P. O. Box 237. Telephone, 99-W-2. F. H. Shirck, assistant entomologist, in charge.

Investigations of wireworms.

Twin Falls

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Suburbs of Twin Falls on Blue Lakes Boulevard. P. O. Box 1100. Telephone, 452. J. R. Douglass, associate entomologist, in charge.

Investigations of the beet leafhopper.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

ILLINOIS

Chicago

Office, Division of Domestic Plant Quarantines.--Room 1208, New Post Office

Building, 405 West Van Buren Street. Telephone, Wabash 9207, extension 595.

J. M. Corliss, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Chicago. This office is also the headquarters for transit inspection activities in the Central States, having supervision over inspectors and collaborators located in season at St. Paul, Minneapolis, Omaha, Council Bluffs, Kansas City, and other central points.

In cooperation with the State department of agriculture.

Office, Division of Foreign Plant Quarantines.--Room 481, U. S. Court House.

Telephone, Harrison 4700, local 57. H. W. Hecker, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Urbana

Laboratory, Division of Cereal and Forage Insects.--Room 110 Old Agricultural

Building, University of Illinois. Telephone, 7-3968 or University 207.

R. A. Blanchard, entomologist, in charge.

Investigations of insects attacking corn, with particular emphasis on corn earworm. In cooperation with the Illinois State Natural History Survey; Illinois Agricultural Experiment Station; and Bureau of Plant Industry, United States Department of Agriculture.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Office, Division of Plant Disease Control.--Post Office Building. P. O. Box 112.

Telephone, 7-2370. R. W. Bills, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Illinois to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the College of Agriculture, University of Illinois, State department of agriculture, and independent agricultural agencies.

INDIANA

Indianapolis

Suboffice under Chicago office, Division of Domestic Plant Quarantines.--

404 State Library Building. W. R. Walton, agent, in charge.

Transit inspection of express, parcel post and freight moving from, to, and through Indianapolis for enforcement of domestic quarantine regulations. November to May.

Lafayette

Laboratory, Division of Cereal and Forage Insect Investigations.--Room 207,

P. O. Building, Fourth and Ferry Streets. P. O. Box 495. Telephone, 5903.

C. M. Packard, senior entomologist, in charge.

Central station for a study of the hessian fly. Coordinates annual surveys to determine current conditions throughout winter wheat regions of the United States. Varieties of wheat resistant to the fly are under investigation. Improved methods of chinch bug control are sought and cooperation in control work is given neighboring States. White grubs and wheat and corn cutworms are studied.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with Bureau of Plant Industry, United States Department of Agriculture, and Indiana, Illinois, Ohio, and Michigan Agricultural Experiment Stations, and Ohio State University.

Vincennes

Laboratory, Division of Fruit Insect Investigations.--1237 Fairground Avenue.

Telephone, 1712. L. F. Steiner, associate entomologist, in charge.

Laboratory for codling moth investigations associated with the residue problem; laboratory and field testing of insecticides; field studies of orchard sanitation, banding, use of bait traps and light traps.

In cooperation with Purdue University agricultural experiment station.

Laboratory, Division of Insecticide Investigations.--1237 Fairground Avenue.

Telephone, 1712. J. E. Fahey, assistant chemist, in charge.

Analysis of insecticides. Determination of lead, arsenic, and nicotine in spray residues. General chemical assistance to cooperating entomologists.

West Lafayette

Office, Division of Plant Disease Control.--Purdue Experiment Station Annex.

Telephone, 3804. W. E. Leer, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Illinois to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the College of Agriculture, University of Illinois, State department of agriculture, and independent agricultural agencies.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

IOWA

Ames

Laboratory, Division of Insects Affecting Man and Animals.---325 Walnut Avenue.

P. O. Box 196. R. W. Wells, assistant entomologist, in charge.

Biology and control of cattle grubs and horse bots; studies on control of stable flies and horn flies.

In cooperation with the State college..

Suboffice, Division of Plant Disease Control.--Room 229, Agricultural Hall,

Iowa State College. Telephone, 102. D. R. Lubberts, agent, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Iowa by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the forestry subsection, State agricultural experiment station; the experiment station plant pathologist; the director of the agricultural experiment station, and the State entomologist.

Office, Division of Plant Disease Control.--Botany Hall. D. R. Shepherd, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Iowa to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with State college of agriculture, State department of agriculture, and independent agricultural agencies.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

JAPAN

Yokohama

Laboratory, Division of Foreign Parasite Introduction.--Canadian-Pacific Build-

ing. P. O. Box 47. R. W. Burrell, assistant entomologist, in charge.

Investigations on the natural enemies of the oriental fruit moth and the Japanese and Asiatic beetles and the exportation of these to the United States. Incidental work is also being conducted upon other insect pests which have become established in the United States.

KANSAS

Manhattan

Laboratory, Division of Cereal and Forage Insect Investigations.--1204 Fremont

Street. Telephone, 2535. R. T. Cotton, senior entomologist, in charge.

Study of control of flour-mill and stored-grain insect pests through fumigation; regional study of the hessian fly, including the selection of resistant varieties of wheat; dry-land cutworm investigations; and studies in varietal differences of alfalfa to aphid attack and the development of resistant varieties.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and with the Kansas, Nebraska, Missouri, and Oklahoma agricultural experiment stations.

Laboratory, Division of Insecticide Investigations.--1204 Fremont Street.

Telephone, 2535. H. D. Young, associate chemist, in charge.

Grain and flour fumigation studies.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Wichita

Sublaboratory, Division of Cereal and Forage Insect Investigations.--128 South Minneapolis Avenue. Telephone, 3-8063. J. R. Horton, entomologist, in charge.

Studies of the effect of soil moisture and other ecological factors on the hessian fly and its parasites; studies of time of planting as a control measure; and population surveys. Studies of southwestern corn borer, including surveys of progress of eastward invasion.

LOUISIANA

Baton Rouge

Laboratory, Division of Bee Culture.---Chemistry Building, State University.

Mailing address: University Station, La. Telephone, University 19.

W. Whitcomb, associate apiculturist, in charge.

Research on package bees, queen rearing, morphology and biometry, honey flora and methods of honey production.

In cooperation with the State university.

Suboffice under the direction of the Houston office, Division of Domestic

Plant Quarantines.---State Capitol. W. E. Anderson, collaborator, in charge.

Direction of activities in the eradication of citrus canker from Louisiana.

In cooperation with the State department of agriculture and immigration.

Office, Division of Screw Worm Control.---P. O. Box 1508, or 674 Ninth Street.

Telephone, 4628. W. B. Hollingsworth, agent, in charge.

Supervision of screw worm control and educational work in Louisiana to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Laboratory, Division of Truck Crop and Garden Insect Investigations.---Agricultural Experiment Station, State University. Telephone, Agricultural Experiment Station switchboard. C. E. Smith, associate entomologist, in charge.

Investigations of various species of cabbage worms and the turnip aphid.

In cooperation with the State agricultural experiment station.

Crowley

Sublaboratory, Division of Cereal and Forage Insect Investigations.---Rice Experiment Station, 1 mile west of Crowley on old Spanish trail. P. O. Box 164. W. A. Douglas, junior entomologist, in charge.

Investigation of insects affecting lowland rice with particular reference to field infestation by stored-rice insects and relationship of the rice stinkbug to "pecky" rice, and the insect enemies of soybeans as a rotation crop for rice.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and the rice station of the State agricultural experimental station.

Houma

Laboratory, Division of Cereal and Forage Insect Investigations.---1 mile west of Houma on U. S. Highway 90, turn right and follow Bayou to U. S. sugar station. P. O. Box 387. Telephone, 499. J. W. Ingram, entomologist, in charge.

Headquarters for studies on sugarcane borer and sugarcane beetle in their relation to various varieties of sugarcane, soil animalcula affecting sugarcane culture, and insect transmission of sugarcane disease. Parasitic enemies of sugarcane insects.



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In cooperation with Bureau of Plant Industry, United States Department of Agriculture, and State agricultural experiment station.

New Orleans

Office, Division of Foreign Plant Quarantines.--Room 308, Customhouse, 423

Canal Street. Telephone, Main 6980. (Nights and holidays call Main 6989.)

W. T. Dillard, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Laboratory, Division of Forest Insect Investigations.--837 Gravier Street.

Telephone, R. A. 1304 and 1305. T. E. Snyder, senior entomologist, in charge.

Investigations of forest insects.

In cooperation with the Southern Forest Experiment Station and with private lumber associations.

Shreveport

Sublaboratory, Division of Fruit Insect Investigations.--Room 606, Courthouse.

Telephone, 2-7280. W. C. Pierce, junior entomologist, in charge.

Life history and control of phylloxera and the obscure scale on pecan.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Tallulah

Laboratory, Division of Cotton Insect Investigations.--Two miles south of

Tallulah on U. S. Highway 65. Telephone, 49. R. C. Gaines, entomologist, in charge.

Boll weevil control with insecticides; hibernation and other ecological and biological studies of the boll weevil; parasites of the boll weevil; host

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plants other than cotton of boll weevil; effect of calcium arsenate on soils and on crops following its use; control of cotton insects such as the cotton leaf worm, cotton aphid, thrips, flea beetles, leaf beetles, and other insects.

MAINE

Auburn

District office of Augusta, Maine suboffice, Division of Plant Disease

Control.--No. 65 Conant Avenue. Telephone, 3777. G. H. Kimball, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Auburn district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, towns, pine owners, and other agencies.

Augusta

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--

Office of Forest Commissioner, State House. Telephone, 1200. W. O. Frost, associate pathologist, in charge.

State leader in cooperative control of white pine blister rust on important white pine areas in Maine by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forest service and the State agricultural college, extension division.

Belfast

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.--136 High Street. W. O. Frost, chief scientific aid, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Cooperative control of white pine blister rust on important white pine areas in the Belfast district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, towns, pine owners, and other agencies.

North Bridgton

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.--Lakeview Avenue. P. O. Box 63. Telephone, Bridgton 130-11. D. S. Curtis, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the North Bridgton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Portland

Office, Division of Foreign Plant Quarantines.--U. S. Customhouse. G. J. Duncan, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the United States Treasury Department.

Waterville

District office of Augusta, Maine, suboffice, Division of Plant Disease Control.--22 Edgemont Avenue. Telephone, 1226. J. M. White, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Waterville district by the eradication of wild and cultivated currant and gooseberry plants.



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In cooperation with counties, townships, pine owners, and other local agencies.

MARYLAND

Baltimore

Office, Division of Foreign Plant Quarantines.--Room 409, Customhouse.

Telephone, Plaza 8460, ext. 73. W. A. Ranck, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Japanese Beetle Control.--Room 306, Post Office Building, Calvert and Fayette Streets. Telephone, Plaza 8320, extension 457. W. C. Armstrong, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in Maryland, the District of Columbia, and the Eastern Shore of Virginia, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the Maryland State horticulture department and Virginia department of agriculture.

Beltsville

Laboratory, Division of Control Investigations.--National Agricultural Research Center. Telephone, Greenwood 1410. F. H. Babers, assistant biochemist, in charge.

Investigations on the digestion processes of leaf-feeding insects. Under special research fund (Bankhead Jones).

Divisional Headquarters, Bee Culture.--National Agricultural Research Center. Telephone, Greenwood 1410. J. I. Hambleton, principal apiculturist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Investigations of controlled breeding of honeybees, diseases of bees, and problems relating to colony development and management, and general supervision of all apicultural activities of the Bureau.

Laboratory, Division of Control Investigations.--Laboratory A, National Agricultural Research Center. Telephone, Greenwood 1410, branch 18. J. F. Yeager, Jr., entomologist, in charge.

Investigations on development of insecticides and general investigations in insect physiology.

Laboratory, Division of Control Investigations.--Laboratory A, National Agricultural Research Center. Telephone, Greenwood 1410, branch 18. A. C. Johnson, associate plant quarantine inspector, in charge.

Investigations on fumigation and use of gaseous insecticides.

Laboratory, Division of Fruit Insect Investigations.--National Agricultural Research Center. Telephone, Greenwood 1410, branch 20. E. H. Siegler, senior entomologist, in charge.

The development and testing of new materials as substitutes for lead arsenate in codling moth control, and laboratory and field experiments on chemically treated bands for codling moth control.

Laboratory, Division of Insects affecting Man and Animals.--National Agricultural Research Center. Telephone, Greenwood 1410, 20-2 rings. Wallace Colman, associate entomologist, in charge.

Studies in the biology and control of fabric pests, especially clothes moths and carpet beetles.

Laboratory, Division of Insecticide Investigations.--National Agricultural Research Center. Telephone, Greenwood 1410, branch 18. H. A. Jones, associate chemist, in charge.

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Investigations of chemical methods of evaluating derris, cube, and domestic species of Cracca. Investigations of tobacco and nicotine dusts. Studies of particle size of insecticidal dusts.

Laboratory, Division of Truck Crop and Garden Insect Investigations.--National Research Center. Telephone, Greenwood 1410. C. A. Weigel, senior entomologist, in charge.

Studies of greenhouse, ornamental, and mushroom insects.

College Park

Laboratory, Division of Insecticide Investigations.--

N. L. Drake, special chemist, in charge.

Microanalyses of organic compounds. Development of microanalytical methods for nicotine and other organic insecticides.

Cumberland

Suboffice of Richmond, Va., office, Division of Plant Disease Control.--

County Courthouse, c/o District Forester. Telephone, 147. H. E. Yost, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Maryland by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester and the State horticultural department.

Hagerstown

Suboffice, Division of Japanese Beetle Control.--Office of County Agricultural

Agent, basement, Courthouse. Telephone, 6. H. O. Windsor, agent, in charge.

Enforcement of the Japanese beetle quarantine in Allegany, Frederick,



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and Washington Counties, Md., including inspection and certification service, and supervision of nursery and greenhouse scouting.

In cooperation with the State horticultural department.

Salisbury

Suboffice, Division of Japanese Beetle Control.--Room 301, Salisbury Building and Loan Association Building, Main and Division Streets. Telephone, C. O. Kelly, agent, in charge.

Enforcement of the Japanese beetle quarantine on the Eastern Shores of Maryland and Virginia, including supervision of inspection and certification, and nursery and greenhouse scouting.

In cooperation with the Maryland State horticultural department and Virginia department of agriculture.

MASSACHUSETTS

Boston

Office, Division of Foreign Plant Quarantines.--408 Atlantic Avenue. Telephone, Hancock 4423. W. G. Bemis, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Domestic Plant Quarantines.--Fourth Floor, Customhouse.

Telephone, Capitol 7487. H. N. Bartley, associate entomologist, in charge.

Mr. Bartley, who is in charge of the enforcement of the joint Japanese beetle quarantine and Gypsy Moth office in New England, also supervises transit inspection of express, parcel post, and freight moving from, to, and through Boston, for the enforcement of domestic plant quarantines.

Office, Division of Japanese Beetle Control.--Fourth Floor, Customhouse. Telephone, Capitol 7487. H. N. Bartley, associate entomologist, in charge.

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Enforcement of Japanese beetle quarantine in New England, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer and gypsy moth and brown-tail moth inspection services are also operated in these States.

Office, Division of Plant Disease Control.--Room 206, Federal Building,

Cambridge, Mass. Telephone, Kirkland 2551. E. C. Filler, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Northeastern States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the National Park Service, and the States of Maine, Vermont, New Hampshire, Connecticut, Massachusetts, Rhode Island, New York, New Jersey, and Pennsylvania.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--

No. 136 State House. Telephone, Capitol 4600. C. C. Perry, associate pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in Massachusetts by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State Department of Agriculture and the State College, Extension Division.

Brockton

District office, Division of Plant Disease Control.--Room 408, 106 Main Street.

Telephone, 4993. E. M. Brockway, assistant pathologist, in charge.

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Cooperative control of white pine blister rust on important white pine areas in the Brockton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Dalton

Office, Division of Gypsy and brown-tail Moth Control.--500 South Street.

P. O. Box 173. Telephone, 254-M. W. W. Bancroft, principal scientific aid, in charge.

District supervision of scouting and control work against the moths in Massachusetts.

In cooperation with the State.

Great Barrington

District Office, Division of Plant Disease Control.--Room 7, Marble Block,

274-1/2 Main Street. Telephone, 834. G. S. Doore, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Great Barrington district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Greenfield

Divisional Headquarters, Division of Gypsy and Brown-tail Moth Control.--

20 Sanderson Street. Telephone, 3648. A. F. Burgess, principal entomologist, in charge.



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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Headquarters for the field control work of the gypsy moth and the brown-tail moth to maintain a barrier zone, embracing over 9,000 square miles in New York east of the Hudson River, in western Vermont, in Massachusetts, and in Connecticut, to the westward spread of the gypsy moth.

In cooperation with the New England States and the conservation department of the State of New York. Cooperation maintained with the States of New Jersey and Pennsylvania in connection with the gypsy moth problem.

Jamaica Plain

Office, Division of Plant Disease Control.--Administration Building, Arnold Arboretum. Telephone, Harvard University, branch 1736. L. M. Ames, associate pathologist, in charge.

Identification and classification of species and varieties of Berberis; nursery inspection; and service to nursery inspectors and horticulturists in connection with barberry eradication program.

In cooperation with botany department, Harvard University.

West Springfield

District office, Division of Plant Disease Control.--No. 1499 Memorial Ave. Telephone 6-7204. R. E. Wheeler, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Springfield district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Worcester

District office, Division of Plant Disease Control.--Room 414, Federal Building, Main Street. Telephone, 3-5477. W. Clave, chief scientific aid, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Cooperative control of white pine blister rust on important white pine areas in the Worcester district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

MEXICO  
Mexico

Laboratory, Division of Fruit Fly Investigations.--Calzada Mexico-Tacuba 295, Colonia Anahuac, Mexico, D. F. Telephone, Ericsson 63277. A. C. Baker, principal entomologist, in charge. W. E. Stone, first assistant.

The Division is concerned with investigations of the habits, distribution, and development of control measures for fruit flies. Headquarters are maintained at the Mexican laboratory, as indicated above, and the investigations are carried out at laboratories in the Canal Zone, Hawaii, Mexico, and Puerto Rico and at suitable temporary field locations.

Laboratory, Division of Fruit Fly Investigations.--Calzada Mexico-Tacuba 295, Colonia Anahuac. Telephone, Ericsson 63277. Express and freight shipments through J. B. R. Leary, Laredo, Tex. W. E. Stone, associate entomologist, in charge.

Investigations of biology and host-fruit relations of the Mexican and other fruit flies, their control in fruit by the vapor-heat process and by low temperatures, disposal of infested fruit, the development of bait materials, and use of sprays in control.

In cooperation with Sanidad Vegetal and the Instituto Biotécnico, Secretaria de Agricultura y Fomento.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Laboratory, Division of Cotton Insect Investigations.--Reached by National Railways of Mexico from Torreon, Coahuila, or if from El Paso, Tex., leave train at Bermejillo and telephone for automobile. C. S. Rude, assistant entomologist, in charge.

Pink bollworm investigations, including colonizing of introduced parasites, distribution and host relationships of native parasites, and hibernation studies. Incidental studies of other cotton insects and parasites of the bollweevil.

In cooperation with Oficina para la Defensa Agricola, Secretaria de Agricultura y Fomento, and the Compania del Tlahualilo.

MICHIGAN

Detroit

Suboffice, under Chicago Office, Division of Domestic Plant Quarantines.--

16621 Braile Avenue. Telephone, . T. J. Wehrschmidt, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Detroit for the enforcement of domestic quarantine regulations. November to May.

Office, Division of Foreign Plant Quarantines.--Room 1, Customhouse. Telephone, Cadillac 5814. W. W. Wood, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Escanaba

District office of Lansing, Mich., office, Division of Plant Disease Control.--

Telephone, 1930. J. I. Kroeber, assistant pathologist, in charge.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Cooperative control of white pine blister rust on important white pine areas in the Upper Michigan district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Lansing

Suboffice, Division of Plant Disease Control.--State Department of Agriculture.

Telephone, 5-8144, ext. 308. E. C. Mandenberg, collaborator, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Michigan by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and State department of agriculture.

Office, Division of Plant Disease Control.--Room 211, Post Office Building.

P. O. Box 598. Telephone, 5-2322. F. B. Powers, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops in Michigan.

In cooperation with the State college of agriculture, State department of agriculture, and independent agricultural agencies.

Newaygo

District office of Lansing, Mich., suboffice, Division of Plant Disease Control.--

Telephone, 38. R. I. Thompson, assistant pathologist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Cooperative control of white pine blister rust on important white pine areas in the lower Michigan district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Port Huron

Office, Division of Foreign Plant Quarantines.--Customhouse. Telephone,

E. C. Colquitt, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the United States Treasury Department.

MINNESOTA

Duluth

District office of St. Paul, Minn., suboffice, Division of Plant Disease

Control.--219 Federal Building. Telephone, Melrose 1508. D. M. Stewart, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Duluth district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Minneapolis

Office, Division of Plant Disease Control.--170 Federal Office Building.

Telephone, Bridgeport 2048. R. O. Bulger, pathologist, in charge.

Field direction and supervision of cooperative program for the control of stem rust of cereal crops.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with State Colleges of Agriculture, State Departments of Agriculture, and independent agricultural agencies in 17 important grain-growing States.

St. Paul

Suboffice of Chicago, Ill., office, Division of Domestic Plant Quarantines.--

202 New Post Office Building. Telephone, Cedar 0813. J. W. Patterson, assistant plant quarantine inspector, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through St. Paul, for the enforcement of domestic and foreign plant quarantines.

In cooperation with the State department of agriculture.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.--

Office of Division of Forestry, State Office Building. Telephone, Cedar 3020. L. B. Ritter, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Minnesota by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service, the Indian Service, and the Minnesota department of conservation.

Office, Division of Plant Disease Control.--University Farm. Telephone,

Nestor 2881. E. C. Stakman, agent, in charge.

Surveys of the occurrence, prevalence, and severity of stem rust in the United States as related to the barberry eradication program; testing different species and varieties of barberry for reaction to the stem rust fungus.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with the College of Agriculture, University of Minnesota,  
Office, Division of Plant Disease Control.--University Farm. Telephone, Nestor  
2881, branch 95. L. W. Melander, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate  
and destroy the common barberry which spreads black stem rust on small-grain  
crops in the State.

In cooperation with College of Agriculture, University of Minnesota,  
State department of agriculture, and independent agricultural agencies.

Walker

District office of St. Paul, Minn., suboffice, Division of Plant Disease  
Control.--Conservation Building. Telephone, 64. J. N. Licke, agent,  
in charge.

Cooperative control of white pine blister rust on important white pine  
areas in the Walker district by the eradication of wild and cultivated  
currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local  
agencies.

MISSISSIPPI

Biloxi

Laboratory, Division of Truck Crop and Garden Insect Investigations.--137  
La Meuse Street. P. O. Box 205. Telephone, 476. K. L. Cockerham,  
associate entomologist, in charge.

Investigations of the Gulf wireworm, the vegetable weevil, and the  
sweetpotato weevil.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Hattiesburg

Office, Division of Screw Worm Control.--P. O. Box 1190 or 607 Carter Building. Telephone, 561. M. Brunson, agent, in charge.

Supervision of screw worm control and educational work in Mississippi to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

State College

Laboratory, Division of Cotton Insect Investigations.--Room 101 Biology Building, Laboratory, 3d floor, agricultural experiment station building, P. O. Box 121. Telephone, Starkville 450. H. C. Young, assistant entomologist, in charge.

Boll weevil control tests in different sections of State; boll weevil parasites; relation of calcium arsenate and other arsenicals to various soils and to cotton and other crops grown on them; investigations on cotton flea hopper and related mirids.

In cooperation with the Bureaus of Chemistry and Soils and of Plant Industry of the United States Department of Agriculture, the State agricultural experiment station, and the State plant board.

Stoneville

Laboratory, Division of Cotton Insect Investigations.--Delta Branch Experiment Station, 2 miles from Leland and 10 miles from Greenville. Express and freight, Leland, Miss. P. O. Box 8, Leland. Telephone, Leland 116-J. E. W. Dunnam, entomologist, in charge.

To study boll weevil resistant characters of varieties of cotton.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with the Bureau of Plant Industry of the United States Department of Agriculture, Mississippi Agricultural Experiment Station, and Louisiana Agricultural Experiment Station.

MISSOURI

Jefferson City

Office, Division of Plant Disease Control.--Room 111, State House. P. O. Box 838. Telephone, 2774. G. M. Frandsen, agent, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops in Missouri.

In cooperation with the college of agriculture, University of Missouri, State Department of Agriculture, and independent agricultural agencies.

Kansas City

Office, Division of Cereal and Forage Insect Investigations.--230 East 9th Street, Old Post Office Building, Telephone,

Emergency work for 1936.

Suboffice under Chicago office, Division of Domestic Plant Quarantines.--

Kansas City Terminal Railway Post Office (District 9). G. W. R. Davidson, agent, in charge.

Checking plant material in transit for the enforcement of domestic quarantine regulations. (September - May)

St. Joseph

Laboratory, Division of Fruit Insect Investigations.--2925 Olive Street.

Telephone, 6-3228. H. Baker, associate entomologist, in charge.

Field investigations of insecticides and banding for control of codling



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

St. Louis

Office, Division of Domestic Plant Quarantines.--303 Municipal Courts Build-  
ing, City Parks Department. M. E. Connolly, agent, in charge.

Transit inspection of express, parcel post, and freight, moving from,  
to, and through St. Louis for enforcement of domestic plant quarantines.

MONTANA

Bozeman

Laboratory, Division of Cereal and Forage Insect Investigations.--Campus of  
the Montana State College. Telephone, Montana State College, 147. J. R.  
Parker, senior entomologist, in charge.

Central station for the study of grasshoppers injurious to agriculture.  
Plans for regional control of grasshoppers. Exercises general field super-  
vision over regional control operations against grasshoppers and Mormon  
crickets.

In cooperation with the United States Department of the Interior,  
Forest Service, the State agricultural experiment station, and other experi-  
ment stations of the Intermountain, Pacific, and Northwestern States.

Suboffice, Fargo, N. Dak., office, Division of Plant Disease Control.--Botany

Department State College of Agriculture. Telephone, .

H. E. Morris, agent, in charge.

Field direction of cooperative program to locate and destroy the  
common barberry which spreads black stem rust to small-grain crops in the  
district comprising North Dakota and Montana.

In cooperation with State college of agriculture, State department of  
agriculture, and independent agricultural agencies.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Helena

Office, Division of Cereal and Forage Insect Investigations.--Lawrence and North Warren Streets. Telephone, 2692, Exchange 36. F. T. Cowan, in charge.

Emergency headquarters for the Mormon cricket work--1937.

Missoula

Suboffice of Spokane, Wash., office, Division of Plant Disease Control.--New Federal Building. P. O. Box 1113. Telephone, . C. H. Johnson, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Montana by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of agriculture, State forestry department; school of forestry, University of Montana; and the North Montana forestry association.

NEBRASKA

Lincoln

Office, Division of Plant Disease Control.--College of Agriculture. Telephone, B-6891, Extension 2 rings. M. E. Yount, associate pathologist, in charge.

Field direction of cooperative program in Nebraska to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the college of agriculture, University of Nebraska, State department of agriculture, and independent agricultural agencies.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Omaha

Suboffice of Chicago, Ill., office, Division of Domestic Plant Quarantines.--

502 Federal Office Building. Telephone, Jackson 7909, extension 186.

N. H. Dunlap, junior plant quarantine inspector, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Omaha for enforcement of domestic quarantine regulations.

Open from September to May.

NEW HAMPSHIRE

Concord

District office of Concord, N. H., suboffice, Division of Plant Disease Con-

trol.--Room 5, 88 North Main Street. Telephone, 1546-W. T. J. King, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Concord district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--

Office of State Forester, Patriot Building, 4 Park Street. Telephone, 800. L. E. Newman, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in New Hampshire by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forestry commission and the State agricultural college, extension division.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Keene

District office of Concord, N. H. suboffice, Division of Plant Disease Control.--Farmers Exchange, 17 Roxbury Street, Room 9. Telephone, 1158.

F. J. Baker, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Keene district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Lebanon

District office of Concord, N. H., suboffice, Division of Plant Disease Control.--Room 24, Bank Block, 16 West Park Street. Telephone, 7-W. G. F.

Richardson, Jr., chief scientific aid, in charge.

Coöperative control of white pine blister rust on important white pine areas in the Lebanon district by eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

North Conway

District office of Concord, N. H., suboffice, Division of Plant Disease Control.--P. O. Box 436. Telephone, 98. S. H. Boomer, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the North Conway district by eradication of wild and cultivated currant and gooseberry plants.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with counties, townships, pine owners, and other local agencies.

Woodsville

District office, Division of Plant Disease Control.--Farm Bureau, Pleasant

Street. Telephone, 241-2. T. L. Kane, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Woodsville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

NEW JERSEY

Bloomfield

Divisional Headquarters, Division of Japanese Beetle Control.--Glenwood Avenue

and Henry Streets. Telephone, Bloomfield 42901. L. H. Worthley, principal administrative officer, in charge.

Enforcement of quarantines relating to Japanese beetle, European corn borer, and gypsy and brown-tail moths. Trapping in nonquarantined States to determine infestation, and chemical treatment of isolated infestations. Gypsy moth and brown-tail moth quarantine inspection and certification. Corn borer certification in compliance with State quarantines authorizing entry of restricted articles under Federal certification only. Dutch elm disease eradication and control.

In cooperation with the States of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

East Orange

Office, Division of Japanese Beetle Control.--Room 202 Post Office Building.

Telephone, Orange 51424. I. Watson Betts, Jr., agent, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease. In cooperation with the State department of agriculture and State agricultural experiment station.

Glassboro

Suboffice of Trenton, N. J., office, Division of Japanese Beetle Control.--

Main and High Streets. Telephone, Glassboro 228. W. N. Dobbs, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in southern New Jersey, including inspection and certification service and supervision of nursery and greenhouse scouting. Both Federal and State corn borer certification is rendered by inspectors in this area. In cooperation with the State department of agriculture.

Moorestown

Laboratory, Division of Fruit Insect Investigations.--Flynn Avenue and Park

Boulevard, just off Camden-Mt. Holly Pike. P. O. Box H. Telephone, 854.

C. H. Hadley, principal entomologist, in charge.

Investigations relating chiefly to the Japanese beetle, the major lines being biological studies, control studies, and parasite studies; also investigations relating to the Asiatic beetles, chiefly the Asiatic garden beetle, including control and parasite studies.

Laboratory, Division of Fruit Insect Investigations.--Flynn Avenue and Park

Boulevard. P. O. Box H. Telephone, 854. H. W. Allen, entomologist, in charge.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

The study of parasites of the oriental fruit moth; breeding of parasite species received from foreign countries; colonization of parasites in new areas, in cooperation with State experiment stations. (Including Japanese and Asiatic Beetle Investigations.)

Sublaboratory, Division of Cereal and Forage Insect Investigations.--Japanese and Asiatic Beetle Laboratory. P. O. Box H. Telephone, 854. C. A. Clark, assistant entomologist, in charge.

European corn borer distribution and concentration. Storage and emergence of imported European corn borer parasites.

Morristown

Laboratory, Division of Forest Insect Investigations (Dutch Elm Disease Laboratory).--8 Whippany Road. Telephone, Morristown 4-0373. C. W. Collins, senior entomologist, in charge.

Study of possible insect vectors of the Dutch elm disease, including not only the introduced and native elm bark beetles but all other insects which may be instrumental in transmitting the disease.

In cooperation with the Bureau of Plant Industry and the Dutch Elm Disease Eradication organization of the U. S. Department of Agriculture, and various State agencies in the infected area.

Rutherford

Suboffice of Trenton, N. J., office, Division of Japanese Beetle Control.--Lawrence Building, 13-15 Orient Way. P. O. Box C. Telephone, 2-5896. H. V. Hotchkin, agent, in charge.

Enforcement of the Japanese beetle quarantine in northern New Jersey, including inspection and certification service and supervision of nursery and

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

greenhouse scouting. Both Federal and State corn borer certification is rendered by inspectors in this area. In cooperation with the State department of agriculture.

Trenton

Office, Division of Japanese Beetle Control.--Yardville Pike, White Horse.

P. O. Box 1. Telephone, 6261 and 6262. J. H. Harman, assistant entomologist, in charge.

Enforcement of the Japanese beetle quarantine in New Jersey, including the supervision of inspection and certification, nursery and greenhouse scouting, and chemical treatments of quarantined articles. Both Federal and State corn borer certification is rendered by the inspectors under the supervision of the Trenton headquarters.

In cooperation with the State department of agriculture.

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--

Room 612, Mechanics National Bank Building, 1 West State Street. Telephone, 2-2131, extension 322. P. B. Mott, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in New Jersey by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of agriculture, Bureau of Plant Industry.

Whitehorse

Suboffice of Bloomfield, N. J., office, Division of Japanese Beetle Control.--

J. H. Harman, assistant entomologist, in charge.

Enforcement of Japanese beetle quarantine.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

NEW MEXICO

Albuquerque

Office, Division of Domestic Plant Quarantines.--202 K of P Building. Telephone, . C. H. Rothe, assistant plant quarantine inspector, in charge.

Field headquarters for emergency project established for the survey and control of peach mosaic diseases in the States of California, Colorado, Iowa, Kansas, New Mexico, Utah, Nebraska, Texas, Wyoming, Arizona, and Arkansas.

Carlsbad

Suboffice of Alpine, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.--200 Block, West Canyon Street. P. O. Box 784. Telephone, . B. C. Graham, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in the Pecos Valley of New Mexico.

In cooperation with the New Mexico plant quarantine officer.

Las Cruces

Suboffice of El Paso, Tex., office, Division of Pink Bollworm and Thurberia Weevil Control.--P. O. Box 849. R. R. Rosa, assistant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in New Mexico.

In cooperation with the New Mexico plant quarantine inspector.

Las Vegas

Sublaboratory of Tempe, Ariz., laboratory, Division of Cereal and Forage Insect Investigations.--Federal Building. J. C. Frankenfeld, associate entomologist, in charge.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Parasite control of range caterpillar.

Roswell

Suboffice of Alpine, Tex., office, Division of Pink Bollworm and Thurberia

Weevil Control.--Room 340, Federal Building. P. O. Box 845. Telephone, 457.

W. B. Rogers, assistant plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the Pecos Valley of New Mexico.

In cooperation with the State plant quarantine officer.

State College

Office, Division of Pink Bollworm and Thurberia Weevil Control.--

Quarantine operations against the pink bollworm in New Mexico.

In cooperation with the New Mexico plant quarantine officer.

Office, Division of Screw Worm Control.--P. O. Box 336, or c/o Extension Ser-

vice, N. Mex. A. and M. College. Telephone, State College, 62. W. H.

Tolbert, agent, in charge. Express and freight to Mesilla Park, N. Mex.

Supervision of screw worm control and educational work in New Mexico to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

NEW YORK

Albany

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--N. Y.

State Conservation Department, State Office Building. Telephone, 35511, extension 710. H. L. McIntyre, collaborator, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in New York by the eradication of wild and cultivated currant and gooseberry plants.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

In cooperation with the State conservation department and the State agricultural college, extension division.

Babylon

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Rubino Estate, North Deer Park Avenue. P. O. Box 786. Telephone, 307. F. J. Spruijt, assistant entomologist, in charge.

Investigations of the biology and the control of the bulb insects and the bulb nematode and the insect vectors of narcissus mosaic.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Boonville

District office, Division of Plant Disease Control.--Thornton Avenue. T. P. Woolschlager, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Boonville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Buffalo

Office, Division of Foreign Plant Quarantines.--Room 310, Federal Building. Telephone, Cleveland 2855. F. G. Inman, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Chappaqua

Office, Division of Japanese Beetle Control.--Chappaqua, N. Y.

J. F. Wooten, chief scientific aid, in charge.

State leader in scouting for and cooperating with the State in the eradication of the Dutch elm disease.

In cooperation with the State department of agriculture and markets.

Geneva

Laboratory, Division of Fruit Insect Investigations.--N. Y. Agricultural Experiment Station.

D. L. Collins, agent, in charge.

Studies of reaction of codling moth to light and control by the use of light traps.

In cooperation with the New York State Agricultural Experiment Station.

Gloversville

District office, Division of Plant Disease Control.--Farm Bureau Office. Telephone, 3050. J. W. Charlton, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Gloversville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Gouverneur

District office, Division of Plant Disease Control.--No. 48 John Street.

C. B. Kresge, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white



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pine areas in the Gouverneur district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Hyde Park

District Office, Division of Plant Disease Control.--Kirchner Avenue. Telephone, 122. H. G. Strait, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Hyde Park district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

New York

Office, Division of Foreign Plant Quarantines.--Room 844, Federal Building, Christopher Street. Telephone, Canal 6-2100. M. Kisliuk, Jr., senior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Domestic Plant Quarantines.--Room 836-B, 641 Washington Street. Telephone, Canal 6-2100, branch 293. M. J. Kelly, senior scientific aid, in charge.

Inspection of express, parcel post, and freight moving from, to, and through New York City, for the enforcement of domestic plant quarantines.

In cooperation with the State department of agriculture.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Office, Division of Japanese Beetle Control.--Room 840, 641 Washington

Street, Telephone, Canal 6-2100, extension 288. H. L. Smith, agent, in charge.

Enforcement of the Japanese beetle quarantine in southeastern New York and Long Island, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in this area. In cooperation with the State department of agriculture and markets.

Peru

District Office, Division of Plant Disease Control.--

H. W. Holcomb, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Walton district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Poughkeepsie

Laboratory, Division of Fruit Insect Investigations.--Box 51, Vassar College.

D. W. Hamilton, junior entomologist, in charge.

Control of codling moth by insecticides, baits, and lights.

Sand Lake

District Office, Division of Plant Disease Control.--

Telephone, Averill Park 187.

H. J. McCasland, assistant pathologist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Cooperative control of white pine blister rust on important white pine areas in the Sand Lake district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other agencies.

Saratoga Springs

District office, Division of Plant Disease Control.--Farm Bureau Office,

National Bank Building, Broadway. Telephone, 752. P. E. Barber, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Saratoga Springs district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other agencies.

Syracuse

Office, Division of Japanese Beetle Control.--Room 332, Post Office Building.

Telephone, 2-5111, extension 20. Leland Wolfe, agent, in charge.

Enforcement of the Japanese beetle quarantine in northern and central New York, including supervision of inspection and certification, and nursery and greenhouse scouting. Joint corn borer inspection service is also maintained in this area. In cooperation with the State department of agriculture and markets.

Warrensburg

District office, Division of Plant Disease Control.--

Telephone, 66. N. H. Harpp, chief scientific aid, in charge.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Cooperative control of white pine blister rust on important white pine areas in the Warrensburg district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

NORTH CAROLINA

Asheville

Laboratory, Division of Forest Insect Investigations.--223 Federal Building.

B. H. Wilford, junior entomologist, acting  
in charge.

Studies of the bark beetles affecting southern pines, and prevention of insect injury to forest products; tree medication for the control of bark beetles and protection of forest products from insect attack; also on the interrelation of bark beetles and blue stains. In cooperation with Forest Service and Bureau of Plant Industry, United States Department of Agriculture.  
Suboffice, Division of Plant Disease Control.--Room 604 County Courthouse

Building. Telephone, 6040, extension 16. H. B. Teague, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in North Carolina by the eradication of wild and cultivated currant and gooseberry bushes.

In cooperation with State Department of Agriculture.

Chadbourn

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Highway

No. 20. P. O. Box 146. Telephone, 307. W. A. Thomas, assistant entomologist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Investigations of cabbage worms, strawberry weevil, strawberry root aphid, and Puerto Rican mole cricket.

Oxford

Laboratory, Division of Truck Crop and Garden Insect Investigations.--412

Kingsbury Street. W. A. Shands, associate entomologist, in charge.

Field tobacco-insect investigations.

NORTH DAKOTA

Fargo

Office, Division of Plant Disease Control.--Room 206, Post Office Building.

P. O. Box 1609. Telephone, 571. G. C. Mayoue, associate pathologist, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops in North Dakota and Montana.

In cooperation with the State agricultural college, State department of agriculture, and independent agricultural organizations.

OHIO

Cincinnati

Office, Division of Domestic Plant Quarantines.--318 Post Office Annex.

Liberty and Dalton. E. J. McNerney, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Cincinnati, for the enforcement of domestic plant quarantines.

Columbus

Laboratory, Division of Forest Insect Investigations.--Central States Forest

Experiment Station, Horticulture and Forestry Building, Ohio State Univer-

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

sity. Telephone, Univ. 3148, extension 448. R. C. Hall, assistant entomologist, in charge.

Study of the locust borer in plantations and natural stands; relation of borer activity to soil, exposure, and other site factors.

In cooperation with Forest Service, U. S. Department of Agriculture and Ohio State University, and organizations of private timberland owners.  
Office, Division of Plant Disease Control.--Room 449, Post Office Building.

P. O. Box 746. Telephone, Adams 9131, extension 281. H. Atwood, associate pathologist, in charge.

Field direction and general supervision in Ohio of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with college of agriculture, Ohio State University, State department of agriculture, and independent agricultural agencies.

Laboratory, Division of Truck Crop and Garden Insect Investigations.--151 West 11th Avenue. Telephone, Univ. 9910. N. F. Howard, senior entomologist, in charge.

Headquarters of bean- and pea-insect investigations. Investigations of the bean beetle, the bean leaf hopper, and the cabbage worm, consisting principally of control measures.

Sandusky

Laboratory, Division of Fruit Insect Investigations.--Bliss Building. P. O. Box 806. Telephone, M-491-J. G. A. Runner, associate entomologist, in charge.

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Headquarters for studies of life history, habits, and control of grape insects, including the grape berry moth and its possible control by substitute materials for lead arsenate and by cultural practices; control measures for grape root worm and for leaf hoppers.

In cooperation with the Bureau of Agricultural Engineering, United States Department of Agriculture, and State agricultural experiment station.

Toledo

Laboratory, Division of Cereal and Forage Insect Investigations.---1920 Parkwood Avenue. Telephone, Adams 4017. W. A. Baker, senior entomologist, in charge.

Headquarters for European corn borer investigations. Biological, ecological, and control studies, including fluctuations in intensity and distribution of the borer, studies of corn characteristics in relation to their inhibiting borer development on various corn strains, and utilization of parasites as one of the natural factors of borer control.

In cooperation with Bureaus of Agricultural Engineering, Plant Industry, and Chemistry and Soils of the United States Department of Agriculture, and with the Illinois State Natural History Survey, Illinois Agricultural Experiment Station, and the Dominion and Provincial Entomologists of Canada.

Wooster

Laboratory, Division of Fruit Insect Investigations.---Biological Building, Ohio Agricultural Experiment Station. A. W. Cressman, associate entomologist, in charge.

Studies of the factors influencing the insecticidal value of oils,



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including the use of oils as carriers for other insecticides.

In cooperation with the State agricultural experiment station.

Suboffice, Division of Plant Disease Control.--State Agricultural Experiment Station. Telephone, 39. O. J. Dowd, assistant pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Ohio by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and the State Forester.

Laboratory, Division of Insecticide Investigations.---Ohio Agricultural Experiment Station. Telephone, 39. L. H. Dawsey, associate chemist, in charge.

Fundamental studies of characteristics of oil emulsions and the factors influencing their insecticidal value; preparation of emulsions containing other toxic materials in solution with oils and determination of their insecticidal efficiency.

OKLAHOMA

Stillwater

Office, Division of Screw Worm Control.---P. O. Box 169 or 409 Gardiner Hall.

Telephone, 761. H. T. Rainwater, agent, in charge.

Supervision of screw worm control and educational work in Oklahoma to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

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OREGON

Corvallis

Laboratory, Division of Truck Crop and Garden Insect Investigations.---Agricultural Experiment Station. P. O. Box 248. Telephone, Experiment Station switchboard. J. C. Chamberlin, associate entomologist (in lieu of A. O. Larson, entomologist), in charge.

Investigations of the pea weevil as a pest of garden and Austrian peas.  
Laboratory, Division of Fruit Insect Investigations.---Oregon Agricultural Experiment Station. S. C. Jones, agent, in charge.

Biology and control of pear thrips on prunes.

In cooperation with the Oregon Agricultural Experiment Station.

Forest Grove

Laboratory, Division of Cereal and Forage Insect Investigations.---Head of Third Avenue, North. Telephone, 36-W. L. P. Rockwood, entomologist, in charge.

The hessian fly, wheat jointworm, and other insect pests of grain crops, the pea aphid and other insect pests of leguminous forage and seed crops, are studied under conditions peculiar to the Pacific Northwest. Supervision is given sectional control operations against grasshoppers. A special study of entomogenous fungi is being made.

In cooperation with Oregon, Washington, and Idaho agricultural experiment stations.

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Medford

Sublaboratory of Salt Lake City laboratory, Division of Cereal and Forage Insect Investigations.--720 West Jackson Street. R. C. Newton, junior entomologist, in charge.

Investigations on alfalfa weevil control.

Portland

Laboratory, Division of Forest Insect Investigations--Room 445, U. S. Courthouse, Sixth and Main Streets. Telephone, Atwater 6171, extension 632.

F. P. Keen, entomologist, in charge.

Headquarters of bark-beetle control projects on national forests and national parks in Oregon and Washington. Studies of the western pine beetle, mountain pine beetle, hemlock looper, etc., and methods of control. Special studies of climatic factors influencing the abundance of bark beetles and the rise and fall of epidemics.

In cooperation with Forest Service, United States Department of Agriculture, National Park Service, Bureau of Indian Affairs, State forestry department, and organizations of private owners of forest land.

Office, Division of Foreign Plant Quarantines.--Room 439, U. S. Courthouse, Sixth and Main Streets. Telephone, Atwater 6171, extension 607. T. J. Baker, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Laboratory, Division of Insects Affecting Man and Animals.--Room 440, U. S. Courthouse, Sixth and Main Streets. H. H. Stage, associate entomologist, in charge.

Biology and control of mosquitoes in the Pacific Northwest.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

PENNSYLVANIA

Brookville

District Office of Harrisburg, Pa., office, Division of Plant Disease Control.--

Relief Building. Telephone, 373. Marco J. DeBerti, assistant pathologist,  
in charge.

Cooperative control of white pine blister rust on important white pine areas in the Brookville district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Carlisle

Laboratory, Division of Cereal and Forage Insect Investigations.--No. 624

Louther Street. C. C. Hill, associate entomologist, in charge.

Headquarters for the study of the insect parasites of the hessian fly and for the study of the host insect under eastern soft-wheat cultural conditions; the sawflies of wheat, and the hairy vetch bruchid.

In cooperation with the State universities and agricultural experiment stations of New York, Pennsylvania, Delaware, Maryland, Virginia, and North Carolina.

Clearfield

District office of Harrisburg, Pa., office, Division of Plant Disease Control.--

Room 12, County Nat'l Bank Building. P. O. Box 311. P. H. Simmonds, agent,  
in charge.

Cooperative control of white pine blister rust on important white pine areas in the Clearfield district by the eradication of wild and cultivated



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current and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Harrisburg

Suboffice of Boston, Mass., office, Division of Plant Disease Control.--Room

408, Educational Building. Department of Forests and Waters. Telephone, 5151, extension 388. R. P. Fatzinger, assistant pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Pennsylvania by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State department of forests and waters, bureau of forest protection, and State department of agriculture, bureau of plant industry.

New Cumberland

Suboffice of Philadelphia, Pa., office, Division of Japanese Beetle Control.--

Warehouse No. 4, U. S. General Army Depot. Telephone, Harrisburg 29366.

M. R. Clark, agent, in charge.

Enforcement of the Japanese beetle quarantine in central Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in the New Cumberland district.

In cooperation with the State department of agriculture.

Philadelphia

Office, Division of Foreign Plant Quarantines.--Room 601, Customhouse. Tele-

phone, Market 6000, extension 24. W. H. Freeman, plant quarantine inspector, in charge.

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Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Domestic Plant Quarantines.---Room 601, New Customhouse.

Telephone, Market 6000, extension 24. H. B. Colton, agent, in charge.

Checking plant material in post offices and express stations for the enforcement of domestic plant quarantine regulations.

Office, Division of Japanese Beetle Control.---Frankford Arsenal, Bridge and

Tacony Streets, Frankford, Pa. Telephone, Delaware 3332. C. W. Stockwell, senior administrative officer, in charge.

General supervision of the operation of branch offices in the States listed below for Japanese beetle control activities, European corn borer, gypsy moth, and brown-tail moth inspection and certification.

In cooperation with the States of Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

Office, Division of Japanese Beetle Control.---Frankford Arsenal, Bridge and

Tacony Streets, Frankford, Pa. Telephone, Delaware 3332. G. B. Stichter, agent, in charge.

Enforcement of the Japanese beetle quarantine in the eastern third of Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. A joint inspection service is also maintained in the Philadelphia area for corn borer.

In cooperation with the State department of agriculture.

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Pittsburgh

Office, Division of Domestic Plant Quarantines.--Room 438-L, Central Post

Office Building. Telephone, Hemlock 7392. K. S. Rohwer, agent, in charge.

Transit inspection of express, parcel post, and freight moving from, to, and through Pittsburgh, for the enforcement of domestic quarantine regulations.

Office, Division of Japanese Beetle Control.--Room 438, K and L, New Post

Office Building. Telephone, Cedar 1133. J. K. Gould, agent, in charge.

Enforcement of the Japanese beetle quarantine in the western third of Pennsylvania, including supervision of inspection and certification, and nursery and greenhouse scouting. Corn borer inspection service is also maintained in the Pittsburgh district.

In cooperation with the State department of agriculture.

State College

Office, Division of Plant Disease Control.--303 Botany Building. L. Kenneth

Wright, agent, in charge.

Field direction and general supervision in Pennsylvania of cooperative program to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the State college of agriculture, Pennsylvania State department of Agriculture, and independent agricultural agencies.

Towanda

District office of Harrisburg, Pa., office, Division of Plant Disease Control.--

Room 8, Mercur Block. T. C. Williams, agent, in charge.

Cooperative control of white pine blister rust on important white pine

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areas in the Towanda district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

Wilkes-Barre

Suboffice, Division of Gypsy and Brown-tail Moth Control.--354 North River Street. Telephone, Wilkes-Barre 3-0316. C. T. Davis, administrative assistant, in charge.

Field control office for the Pennsylvania infestation of the gypsy moth. The work covers the control and eradication of the moth in an area embracing some 880 square miles, together with the enforcement of State quarantine.

In cooperation with the State department of agriculture and department of forests and waters.

PUERTO RICO

Aquadilla

Suboffice of San Juan office, Division of Foreign Plant Quarantines.--Augustin Collazo, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Commerce.

Arecibo

Suboffice of San Juan office, Division of Foreign Plant Quarantines.--Luis F. Correa, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Commerce.



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Arroyo

Suboffice of San Juan office, Division of Foreign Plant Quarantines.--Emilio

Gautier, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Commerce.

Fajardo

Suboffice of San Juan office, Division of Foreign Plant Quarantines.--Custom-

house, Fajardo Playa. J. A. Martinez, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Commerce.

Guanica

Suboffice of San Juan office, Division of Foreign Plant Quarantines.--N. A.

Sala, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Commerce.

Mayaguez

Office, Division of Foreign Plant Quarantines.--P. O. Box 911. G. A. Pfaffman,

assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines governing the movement of  
fruits and vegetables from Puerto Rico to the mainland.

Laboratory, Division of Fruit Fly Investigations.--Puerto Rico Agricultural

Experiment Station, Office of Experiment Stations, United States Department  
of Agriculture. Telephone, 1501. L. C. McAlister, assistant entomologist,  
in charge.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Investigations of various insect pests of Puerto Rico are conducted under special allotment from the Puerto Rico Sugar Processing Tax Fund. The technical phases of the problems are directed by the subject-matter divisions of the Bureau. The divisions associated with the technical direction, and the more important problems being studied are: Fruit insects, cotton insects, cereal and forage insects, truck crop and garden insects, insects affecting man and animals, foreign parasite introduction.

Ponce

Suboffice of San Juan office, Division of Foreign Plant Quarantines.--M. A.

Bofill, collaborator, in charge.

Enforcement of foreign plant quarantines.

In cooperation with Insular Department of Agriculture and Commerce.

San Juan

Office, Division of Foreign Plant Quarantines.--Room 323, Ochoa Building,

No. 1 Comercio Street. P. O. Box 223. W. A. McCubbin, senior pathologist, in charge.

Supervision of the Division's activities in Puerto Rico involving enforcement of foreign plant quarantines, enforcement of Quarantine No. 58, and inspection and certification of plants and plant products for export.

RHODE ISLAND

Providence

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--

Room 310, State House. Telephone, Dexter 2360. A. C. White, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Rhode Island by the eradication of wild and cul-

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tivated currant and gooseberry plants.

In cooperation with the State department of agriculture and the State college, extension service.

SOUTH CAROLINA

Charleston

Office, Division of Foreign Plant Quarantines.---Room 16, Customhouse. Telephone, 116. R. W. Nicaise, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Sublaboratory, Division of Truck Crop and Garden Insect Investigations.---South Carolina Truck Experiment Station, 7 miles west of Charleston on U. S. Highway No. 17. P. O. Box 324. W. J. Reid, assistant entomologist, in charge.

Investigations of cabbage insects, melon and pickle worms, and seed corn maggot.

In cooperation with the State agricultural experiment station.

Florence

Laboratory, Division of Cotton Insect Investigations.---Pee Dee Substation of the South Carolina Agricultural Experiment Station, 2 miles north of Florence on U. S. Highway No. 601. P. O. Box 217. Telephone, 1286-J. F. F. Bondy, associate entomologist, in charge.

Boll weevil control under South Carolina conditions; methods of preventing or reducing arsenical injury to soils; host plants of the boll weevil; boll weevil parasites; life history, habits, and control of root aphids and thrips on cotton.

In cooperation with the State agricultural experiment station.

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Walterboro

Office, Division of Screw Worm Control.--- Press and Standard Building. P. O.

Box 184. Telephone, 248. W. H. Clarke, agent, in charge.

Supervision of screwworm control and educational work in South Carolina to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

SOUTH DAKOTA

Brookings

Office, Division of Plant Disease Control.--- Extension Building. Box 66, State

College Station. Telephone, 331. George W. Eade, assistant pathologist, in charge.

Field direction of cooperative program in South Dakota to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the State college of agriculture, State department of agriculture, and independent agricultural agencies.

TENNESSEE

Clarksville

Laboratory, Division of Truck Crop and Garden Insect Investigations.--- 642

Greenwood Avenue. P. O. Box 346. Telephone, 1168. I. B. Scott, assistant entomologist, in charge.

Investigations in the control of insects injurious to tobacco, including a study of the attraction of the tobacco hornworm moth to chemicals.

Knoxville

Suboffice of Richmond, Va., office, Division of Plant Disease Control.--- Room



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307 Federal Building. Telephone, 3-6451. R. D. Tanksley, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Tennessee by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester, State entomologist, and State department of agriculture.

TEXAS

Alamo

Suboffice of Pharr, Tex., office, Division of Mexican Fruit Fly Control.--

Ponry and Powers Building. F. W. Haughton, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruit fly.

Alpine

Office, Division of Pink Bollworm and Thurberia Weevil Control.-- 217 N. 17th Street. P. O. Box 847. Telephone, 332. D. M. McEachern, associate plant quarantine inspector, in charge.

Headquarters, pink bollworm quarantine operations in the eastern area, consisting of southeastern New Mexico and all western Texas under quarantine, except the El Paso Valley and the Western Extension.

In cooperation with the State departments of agriculture of Texas and New Mexico.

Beaumont

Sublaboratory of Houma, La., laboratory, Division of Cereal and Forage Insect Investigations.-- Agricultural Substation No. 4, four miles west of Beaumont city limits. Telephone, 9005. A. I. Balzer, assistant entomologist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Investigations on the insects attacking corn under eastern Texas conditions, including the sugarcane borer, the sugarcane beetle, etc., and stored-rice insects in mills and warehouses.

In cooperation with the State agricultural experiment station.

Brownfield

Suboffice of Lubbock, Tex., office, Division of Pink Bollworm and Thurberia

Weevil Control.-- (No address given)

O. L. Walton, assis-

tant plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture of Texas.

Brownsville

Laboratory, Division of Cotton Insect Investigations.--1610 Lincoln Boulevard.

Telephone, 1067. T. C. Barber, assistant entomologist, in charge.

Host plants of cotton flea hopper and related insects; winter conditions, life histories, abundance, parasites, and control of cotton insects in the lower Rio Grande Valley, especially the bollworm, leaf worm, cotton perforator, cotton flea hopper, and boll weevil.

In cooperation with the State agricultural experiment station.

Office, Division of Mexican Fruit Fly Control.--Chamber of Commerce Building.

P. O. Box 746. Telephone, 1100. A. V. Smith, assistant plant quarantine inspector, in charge of quarantines; T. R. Stephens, junior plant quarantine inspector, in charge of Mexican relations.

Enforcement of quarantine regulations on the Mexican fruit fly.

Office, Division of Foreign Plant Quarantines.--Federal Car Fumigation House.

P. O. Box 909. O. D. Deputy, plant quarantine inspector, in charge.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Enforcement of foreign plant quarantines, and inspection and certification of plants and plant products for export.

Brownwood

Laboratory, Division of Fruit Insect Investigations.--Highway 10, Jim Hogg Boulevard, just south of Brownwood water-pump station. Box 209.

C. B. Nickels, associate entomologist, in charge.

Investigations on pecan insects, including control of the pecan nut casebearer; biology and control of borers which attack top-worked pecan trees.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

College Station

Laboratory, Division of Cotton Insect Investigations.--Division of Entomology, Agricultural Experiment Station. P. O. Box 750, Bryan, Tex. Telephone 73.

R. W. Moreland, assistant entomologist, in charge.

Factors influencing abundance and damage to cotton and control of boll-worm; boll weevil hibernation and parasite studies; host plants of boll weevil other than cotton.

In cooperation with the State agricultural experiment station.

Office, Division of Screwworm Control.--P. O. Box 2156, or 337 New Administration Building. Telephone, College 336. Kelvin Dorward, agent, in charge.

Supervision of screwworm control and educational work in Texas to prevent or reduce losses of livestock from infestation and spread of the insect.

In cooperation with State and local agencies.

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Dallas

Laboratory, Division of Insects Affecting Man and Animals.--4529 Reiger Ave.

P. O. Box 208. E. W. Laake, entomologist, in charge.

Investigations of insects injurious to animals, especially the screw-worm and related flies. Studies in control of these pests by trapping and other methods.

Del Rio

Office, Division of Foreign Plant Quarantines.--International Bridge. P. O.

Box. 208. H. M. Cely, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Donna

Office, Division of Mexican Fruit Fly Control.-- 106 South Fifth Street. P. O.

Box 686. Telephone 233, J. W. Monk, agent, in charge.

Enforcement of the quarantine regulations on the Mexican fruit fly.

Eagle Pass

Office, Division of Foreign Plant Quarantines.--Room 202 Federal Building. P. O.

Box 458. Telephone, 52. G. H. Russell, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Edinburg

Office, Division of Mexican Fruit Fly Control.--Chamber of Commerce Building.

P. O. Box 1118. Telephone, 185. C. O. Gingrass, agent, in charge.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

El Paso

Office, Division of Foreign Plant Quarantines.-- 127 United States Court House.

Telephone, Main 2993. T. A. Arnold, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Office, Division of Pink Bollworm and Thurberia Weevil Control.-- 206 U. S.

Courthouse. P. O. Box 97, Station A. Telephone, Main 3295. J. S. Brock, plant quarantine inspector, in charge.

Pink Bollworm quarantine operations in the Western area, consisting of southern New Mexico to the eastern boundary of Otero County and the El Paso Valley of Texas.

In cooperation with the State departments of agriculture of Texas and New Mexico.

Galveston

Office, Division of Foreign Plant Quarantines.-- Room 204, New Federal Build-

ing, 25th and F Streets. P. O. Box 177. Telephone, 2213. R. L. Trigg, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Harlingen

Divisional headquarters, Mexican Fruit Fly Control.-- 503 Rio Grande National

Life Building. Telephone, 591 and 592. P. A. Hoidale, principal plant quarantine inspector, in charge.

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Enforcement of the quarantine regulations on the Mexican fruit fly, involving the maintenance of a host-free period during the summer months, the inspection of about 8,000,000 citrus trees, the certification of fruits leaving the quarantined area, and the employment of other regulatory measures looking to the eradication of this pest in the United States.

In cooperation with the State department of agriculture.

Suboffice, Division of Mexican Fruit Fly Control.--421 South A Street. Telephone, 562. N. O. Berry, junior entomologist, in charge.

Identification of fruit flies in connection with enforcement of Mexican fruit fly quarantine.

Warehouse and Mechanical Shop.--420 South A Street. Telephone, 562. G. M. Douglas, agent, in charge.

Warehouse and mechanical shop in connection with enforcement of Mexican fruit fly quarantine.

Hidalgo

Office, Division of Foreign Plant Quarantines.--International Bridge. Telephone, 451-R. F. E. Swan, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Houston

Office, Division of Domestic Plant Quarantines.--315 Citizens State Bank Building. Telephone, Preston 4453. R. N. Dopson, Jr., agent, in charge.

Control and prevention of spread of citrus canker disease.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Office, Division of Foreign Plant Quarantines.--Poden Bldg. (Harrisburg).

P. O. Box 685. Telephone, Wayside 3435. H. C. Millender, associate plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

La Feria

Office, Division of Mexican Fruit Fly Control.--111 Oleander Street. P. O.

Box 177. Telephone, 123. J. M. Worsham, agent, in charge.

District inspector for enforcement of quarantine regulations on the Mexican fruit fly.

Laredo

Office, Division of Foreign Plant Quarantines.--Rooms 207 and 211, Federal

Building. P. O. Box 277. Telephone, 862. J. B. R. Leary, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Levelland

Suboffice, Division of Pink Bollworm and Thurberia Weevil Control.--

H. L. Alford, junior plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture.

Littlefield

Suboffice, Division of Pink Bollworm and Thurberia Weevil Control.--

C. C. Weigle, junior plant quarantine inspector, in charge.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture.

Lubbock

Office, Division of Pink Bollworm and Thurberia Weevil Control.--209 Federal

Building. P. O. Box 1615. Telephone; 293. H. B. Prickett, associate plant quarantine inspector, in charge.

Pink bollworm quarantine operations in the Western Extension, embracing Andrews, Ector, Cochran, Gaines, Hockley, Terry, Yoakum, and parts of Midland, Bailey, Dawson, and Lamb Counties, Tex., and Lea and Roosevelt Counties, N. Mex.

In cooperation with the State departments of agriculture of Texas and New Mexico.

McAllen

Office, Division of Mexican Fruit Fly Control.--Chamber of Commerce Building.

P. O. Box 1263. Telephone, 487. F. O. Swan, assistant plant quarantine inspector, in charge.

District enforcement of quarantine regulations on the Mexican fruit fly.

Menard

Sublaboratory of Dallas, Tex., laboratory, Division of Insects Affecting Man

and Animals.--P. O. Box 487. H. E. Parish, assistant entomologist, in charge.

Biological studies of screw worms and control by means of trapping.



DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Mercedes

Office, Division of Foreign Plant Quarantines.--Thayer International Bridge.

Telephone, 6010-F2. L. R. Dorland, Assistant plant quarantine inspector,  
in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Midland

Suboffice, Division of Pink Bollworm and Thurberia Weevil Control.--

W. C. Maxwell, junior plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in Texas.

In cooperation with the State department of agriculture.

Mission

Office, Division of Mexican Fruit Fly Control.--Old Express Office, P. O. Box

485. Telephone, 488. L. G. Plyler, assistant plant quarantine inspector,  
in charge.

District inspection and enforcement of quarantine regulations.

Pecos

Suboffice, Division of Pink Bollworm and Thurberia Weevil Control.--P. O. Box

236. Telephone, 57. H. J. Henderson, junior plant quarantine inspector,  
in charge.

Quarantine operations against the pink bollworm in the Pecos Valley of  
Texas.

In cooperation with the State department of agriculture.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Pharr

Office, Division of Mexican Fruit Fly Control.--City Hall Building. P. O. Box 500. Telephone, 15. W. P. Patton, agent, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

Port Arthur

Office, Division of Foreign Plant Quarantines.--Room 618, Adams Building.

P. O. Box 197. Telephone, 3194. W. H. Baskin, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Port Lavaca

Laboratory, Division of Cotton Insect Investigations.--First State Bank Building, North and Colorado Streets. P. O. Box J. Telephone, 8. K. P. Ewing, associate entomologist, in charge.

Cotton flea hopper; life history, host plants, control by insecticides and cultural practices; parasites of the boll weevil; host plants of the boll weevil.

In cooperation with the State agricultural experiment station.

Presidio

Laboratory, Division of Cotton Insect Investigations.--Wilson Street, 1-1/2

Blocks south of O'Reilly Street. Reached by Southern Pacific R. R. to Marfa, Tex., and thence 65 miles south by bus to Presidio. P. O. Box 879. Telephone, 14. A. J. Chapman, junior entomologist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Pink bollworm; introduction and colonization of foreign parasites; study of abundance, distribution, host relationships, and usefulness of native parasites; control by insecticides; cultural control; development of special machinery for cleaning fields; hibernation; and relation of temperature and moisture to survival.

In cooperation with the Bureau of Agricultural Engineering, United States Department of Agriculture, and the State agricultural experiment station. Office, Division of Foreign Plant Quarantines.--Customhouse. V. J. Shiner, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Suboffice of Alpine, Tex., office, Division of Pink Bollworm and Thurbéria Weevil Control.--P. O. Box 997. L. B. Coffin, junior plant quarantine inspector, in charge.

Quarantine operations against the pink bollworm in the Presidio section of the Big Bend and Ojinaga, Chihuahua, Mexico.

In cooperation with the State department of agriculture and the agricultural inspector at Ojinaga, Mexico.

Raymondville

Office, Division of Mexican Fruit Fly Control.--Chamber of Commerce Building.

P. O. Box 371. Telephone 73. J. K. Smith, agent, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

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BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Roma

Office, Division of Foreign Plant Quarantines.--International Bridge. P. O.

Box 126. A. A. Stalmach, assistant plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

San Antonio

Divisional headquarters, Division of Pink Bollworm and Thurberia Weevil Control.--521 Avenue A. P. O. Box 798. Telephone, Fannin 8721. R. E.

McDonald, principal administrative officer, in charge.

Supervision of all district and subdistrict offices and all quarantine and control work incident to the administration of the pink bollworm and Thurberia weevil quarantines.

In cooperation with the State department of agriculture of the States concerned.

General headquarters, Division of Screwworm Control.--1010 Travis Building.

Telephone, Fannin 7911. W. E. Dove, principal entomologist, in charge.

Direction of control and educational work to prevent or reduce losses resulting from screwworm infestation in livestock and as far as possible to restrict the spread of this insect into territory not heretofore invaded. This is done by more firmly establishing good methods of preventing infestation and the proper treatment by stockmen of usual cases in animals.

In cooperation with State and local agencies.

Southwestern regional headquarters, Division of Screwworm Control.--1005A Travis

Building. Telephone, Fannin 7911. R. A. Roberts, entomologist, in charge.

Supervision of control and educational work in the Southwestern States



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to prevent or reduce losses resulting from screwworm infestation in live-stock and as far as possible to restrict the spread of this insect into territory not heretofore invaded.

In cooperation with State and local agencies.

San Benito

Office, Division of Mexican Fruit Fly Control.--Federal Building. P. O. Box 7. Telephone, 50. A. Thomae, assistant plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

San Juan

Suboffice of Pharr, Tex., office, Division of Mexican Fruit Fly Control.--Burl Stugard, agent, in charge.

Enforcement of quarantine regulations on the Mexican fruit fly.

Sonora

Laboratory, Division of Insects Affecting Man and Animals.--P. O. Box 407.

Telephone, 119. O. G. Babcock, assistant entomologist, in charge.

Investigations of goat lice, the screwworm, and the sheep head bot.

In cooperation with the Texas agricultural experiment station.

Uvalde

Laboratory, Division of Insects Affecting Man and Animals.--224 Mulberry

Street. P. O. Box 509. D. C. Parman, associate entomologist, in charge.

Investigations of screwworms and blowflies, with special attention to parasites and predators; effect of climatological and ecological conditions on these; chemotropism of blowflies; studies of fowl tick and stick-tight flea

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with reference to control and distribution especially as to establishment of new colonies; eye gnat investigations, biology, and control.

Weslaco

Field Office, Division of Mexican Fruit Fly Control.--120 East Fifth Street.

Telephone, 224. E. F. Pepper, assistant plant quarantine inspector, in charge.

District inspection and enforcement of quarantine regulations on the Mexican fruit fly.

UTAH

Logan

Laboratory, Division of Truck Crop and Garden Insect Investigations.--326

Administration Building, Utah State Agricultural College. H. E. Dorst, junior entomologist, in charge.

Investigations on the beet leafhopper as a pest of beets, tomatoes, and other crops, and on the tomato fruit worm.

Saint George

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Saint

George, Utah. E. W. Davis, assistant entomologist, in charge.

Investigations on the beet leafhopper.

Salt Lake City

Laboratory, Division of Cereal and Forage Insect Investigations.--Room 481

Federal Building. Telephone, Wasatch 3980, Extension 214. John C. Hamlin, senior entomologist, in charge.

A study of the alfalfa weevil to discover a means of forecasting and possibly preventing periodic outbreaks. The adaptation of known means of con-

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trol to newly infested areas and the adaptation of cutting practice for weevil control.

In cooperation with the Utah, Wyoming, Colorado, Idaho, Nevada, and Oregon Agricultural Experiment Stations.

VERMONT

Bellows Falls

District office, Division of Plant Disease Control.--Room 253 Post Office Building. Telephone, 84-M. K. F. H. Rose, chief scientific aid, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Bellows Falls district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other agencies.

Montpelier

Suboffice of Cambridge, Mass., office, Division of Plant Disease Control.--

Vermont Forest Service, Statehouse. Telephone, 1500, extension 32. S. D. Conner, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in Vermont by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forest service and the State agricultural college, extension division.

Rutland

Suboffice, Division of Gypsy and Brown-tail Moth Control.--99 Harrington

Avenue. P. O. Box 283. Telephone, 2373-J. H. N. Bean, principal scientific aid, in charge.

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Supervision of scouting and control work against the moths in the Rutland district.

In cooperation with the State of Vermont.

District Office of Montpelier, Vt., office, Division of Plant Disease Control.--Federal Building. M. R. Mulholland, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Rutland district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

St. Johnsbury

District office of Montpelier, Vt., office, Division of Plant Disease Control.--State Armory, Main Street. E. H. Palmer, agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in the St. Johnsbury district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.

VIRGINIA

Blacksburg

Office, Division of Plant Disease Control.--500 Agricultural Hall. Telephone, 7032. G. E. Matheny, assistant pathologist, in charge.

Field direction and general supervision of cooperative program in Virginia to locate and destroy the native barberry which spreads black stem rust to small-grain crops.



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In cooperation with the Virginia Polytechnic Institute, State department of agriculture, and independent agricultural agencies.

Charlottesville

Suboffice of Richmond, Va., office, Division of Plant Disease Control.--State

Forester's Office, Cabell Hall, University of Virginia. Telephone, 518.

J. G. Luce, Jr., agent, in charge.

Cooperative control of white pine blister rust on important white pine areas in Virginia by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the State forester and the State entomologist.

Newport News

Office, Division of Foreign Plant Quarantines.--Room 26, Post Office and

Custom House. J. N. Smith, Jr., plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines.

In cooperation with the United States Treasury Department.

Norfolk

Office, Division of Foreign Plant Quarantines.--U. S. Post Office and Court-

house. Telephone, 2-7363. G. Gay, associate plant quarantine inspector,

in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Sublaboratory of Columbus, Ohio, laboratory, Division of Truck Crop and Garden

Insect Investigations.--Virginia Truck Experiment Station. P. O. Box 267.

Telephone, Juniper 28-F-2. L. W. Brammon, assistant entomologist, in charge.

DIRECTORY  
BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

Investigations of the bean beetle.

In cooperation with the Virginia Truck Experiment Station.

Suboffice of Richmond, Va., office, Division of Japanese Beetle Control.--

Room 217 Federal Building. Telephone, 2-7363. J. S. Stockbridge, field supervisor in insect control, in charge.

Enforcement of the Japanese beetle quarantine in the counties of Elizabeth City, Nansemond, Norfolk, and Warwick, including inspection and certification service, and supervision of nursery and greenhouse scouting. In cooperation with the State department of agriculture and immigration.

Onley

Sublaboratory of Toledo, Ohio, laboratory, Division of Cereal and Forage

Insect Investigations.--Virginia Truck Experiment Station, Box 248.

Telephone, Onancock 16-F-22. D. W. Jones, entomologist, in charge.

Investigations on the European corn borer.

In cooperation with the Virginia Truck Experiment Station.

Richmond

Office, Division of Japanese Beetle Control.--Room 213, Broad-Grace Arcade

Building. Telephone, 3-5450. H. B. Ward, agent, in charge.

Enforcement of the Japanese beetle quarantine in Virginia and the District of Columbia, including supervision of inspection and certification, and nursery and greenhouse scouting. Inspection and certification for European corn borer. In cooperation with the State department of agriculture and immigration.

Office, Division of Plant Disease Control.--Room 803, Grace-American Building,

Fourth and Grace Streets. Telephone, 3-4594. R. G. Pierce, pathologist, in charge.

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Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Southern Appalachian States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the National Park Service, the States of Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia.

Office, Division of Truck Crop and Garden Insect Investigations.--17 North Boulevard. Telephone, 5-6865. W. D. Reed, associate entomologist, in charge.

Investigations of insects attacking stored tobacco.

Rosslyn

Laboratory, Division of Cereal and Forage Insects.--Arlington Experiment Farm. Telephone, Dist. 6350, extension 8577. F. W. Poos, senior entomologist, in charge.

Plant disease transmission and disease-like injury caused by the insects affecting cereal and forage crops is being studied. Wheat jointworms and the corn earworm are under investigation.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, State universities, and State experiment stations.

WASHINGTON

Bellingham

Office, Division of Foreign Plant Quarantines.--Room 354 Federal Building.

P. O. Box 994. J. W. Stanton, junior plant quarantine inspector, in charge.

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Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Blaine

Office, Division of Foreign Plant Quarantines.--Pacific Highway Customs

Station. P. O. Box 782. W. A. Harvison, junior plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Puyallup

Laboratory, Division of Truck Crop and Garden Insect Investigations.--2102

Southeast Meridian Avenue. P. O. Box 233. Telephone, 484. S. E. Crumb, entomologist, in charge.

Investigations of the European earwig and berry insects, including the red berry mite and raspberry fruit worm.

Seattle

Office, Division of Foreign Plant Quarantines.--422 Federal Office Building.

A. G. Webb, plant quarantine inspector, in charge.

Enforcement of foreign plant quarantines and inspection and certification of plants and plant products for export.

Spokane

Office, Division of Plant Disease Control.--

Telephone,

H. E. Swanson, senior pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in im-



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portant white pine areas in the Western White Pine Region of Washington, Idaho, and Montana, also in the Rocky Mountain Region of Wyoming and Colorado, by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and National Park Service, the States of Colorado, Idaho, Montana, Washington, and Wyoming, and the timber protective associations, pine owners, and other local agencies.

Sumner

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Grounds of Pierce County Farm, 1 1/2 miles from the center of Sumner. P. O. Box 458. C. F. Doucette, associate entomologist, in charge.

Investigations of the bulb insects and bulb nematode and the vectors of narcissus mosaic.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture.

Walla Walla

Laboratory, Division of Truck Crop and Garden Insect Investigations.--Three miles west of Walla Walla on Wallula Road. P. O. Box 616. Telephone, 1050. M. C. Lane, associate entomologist, in charge.

Headquarters for wireworm investigations of the Northwest; investigations of wireworms on irrigated land.

Yakima

Laboratory, Division of Fruit Insect Investigations.--301 North Second Street, P. O. Box 243. Telephone, 6444. E. J. Newcomer, senior entomologist, in charge.

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Investigation on apple insects; testing of insecticides for codling moth control in relation to the residue problem; studies of bait materials and of bait traps, banding, and the utilization of parasites.

In cooperation with the Bureau of Plant Industry, United States Department of Agriculture, and State agricultural experiment station.

Laboratory, Division of Insecticide Investigations.--301 North Second Street.

P. O. Box 243. Telephone, 6444. C. W. Murray, associate chemist, in charge.

Determination of residues from sprays containing lead, arsenic, and fluorine; spray residue removal by chemical means; field studies of new insecticides.

In cooperation with Bureau of Plant Industry, United States Department of Agriculture.

WEST VIRGINIA

Kearneysville

Laboratory, Division of Fruit Insect Investigations.--West Virginia University

Experiment Farm. Telephone, Shepherdstown 138-14. E. Gould, agent, in charge.

Codling moth investigations.

In cooperation with the West Virginia Agricultural Experiment Station.

Marlinton

Suboffice of Richmond, Va., office, Division of Plant Disease Control.--

County Courthouse. Telephone, 12-2. J. M. Ashcroft, agent, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in West Virginia by the eradication of wild and cultivated currant and gooseberry plants.

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In cooperation with the State conservation commission and the State Department of Agriculture.

Morgantown

Office, Division of Plant Disease Control.--247 Willey Street. P. O. Box 756.

Telephone, 916. T. Van Zanden, agent, in charge.

Field direction and general supervision of cooperative program to locate and destroy the common and native barberry which spreads black stem rust to small-grain crops in West Virginia.

In cooperation with the College of Agriculture, University of West Virginia, State Department of Agriculture, and independent agricultural agencies.

WISCONSIN

Madison

Laboratory, Division of Cereal and Forage Insect Investigations.--105 King

Hall, University of Wisconsin. T. R. Chamberlin, associate entomologist, in charge.

Life history and ecology of white grubs.

In cooperation with the Wisconsin agricultural experiment station.

Office, Division of Plant Disease Control.--Room 10, Post Office Building.

Telephone, Fairchild 5450. V. O. Taylor, associate pathologist, in charge.

Field direction and general supervision of cooperative program in Wisconsin to locate and destroy the common barberry which spreads black stem rust to small-grain crops.

In cooperation with the college of agriculture, University of Wisconsin,



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State department of agriculture and markets, and independent agricultural agencies.

Suboffice of Milwaukee, Wis., office, Division of Plant Disease Control.--

Room 9 West, State Capitol. Telephone, Badger 5100. T. F. Kouba, associate pathologist, in charge.

State leadership in cooperative control of white pine blister rust on important white pine areas in Wisconsin by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and Indian Service, the State department of agriculture, and the State conservation department.

Laboratory, Division of Truck Crop and Garden Insect Investigations.--1532

University Avenue, Old Entomology Building. Telephone, Badger 580, extension 134-W. J. E. Dudley, Jr., entomologist, in charge.

Investigations of the pea aphid.

In cooperation with the college of agriculture, University of Wisconsin.

Menomonie

District office of Madison, Wis., office, Division of Plant Disease Control.--

First National Bank Building. E. W. Cleasby, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Menomonie district by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with counties, townships, pine owners, and other local agencies.



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Milwaukee

Laboratory, Division of Forest Insect Investigations.--Forest Service, Federal Building. L. W. Orr, associate entomologist, in charge.

Investigations of spruce budworm, larch sawfly, jack pine sawfly, forest tent caterpillar, white grubs in forest nurseries and plantations, etc.

In cooperation with Forest Service, United States Department of Agriculture, University of Michigan and University of Minnesota.

Office, Division of Plant Disease Control.--McGeoch Building, 322 East Michigan Street. Telephone, Broadway 8600, extension 14. H. N. Putnam, pathologist, in charge.

Field direction and general supervision of cooperative program to establish and maintain control of the white pine blister rust disease in important white pine areas in the Lake and Central States by the eradication of wild and cultivated currant and gooseberry plants.

In cooperation with the Federal Forest Service and the Indian Service, and the States of Iowa, Michigan, Minnesota, Ohio, Illinois, Indiana, and Wisconsin.

Stevens Point

District office of Madison, Wis., office, Division of Plant Disease Control.--

424 Church Street. Telephone, 1230J. R. Weber, assistant pathologist, in charge.

Cooperative control of white pine blister rust on important white pine areas in the Stevens Point district by the eradication of wild and cultivated currant and gooseberry plants.

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In cooperation with counties, townships, pine owners, and other local agencies.

WYOMING

Laramie

Laboratory, Division of Bee Culture.---Engineering Building, University of Wyoming. Mail address: Engineering Shops, University of Wyoming. A. P. Sturtevant, associate apiculturist, in charge.

Research on intermountain methods of beekeeping, including principles of wintering, spread of American foulbrood in commercial apiaries, development of colonies, and production.

In cooperation with the University of Wyoming.

Suboffice of Fort Collins, Colo., office, Division of Plant Disease Control.---Extension Division, Agricultural College, University of Wyoming. A. E. Bowman, collaborator, in charge.

Cooperative program to locate and destroy common barberry in Wyoming to control black stem rust of small-grain crops.

In cooperation with college of agriculture, University of Wyoming, the State Department of agriculture, and independent agricultural agencies.

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